

WES MICROTHESAURUS OF SCIENTIFIC AND TECHNICAL TERMS





June 1977

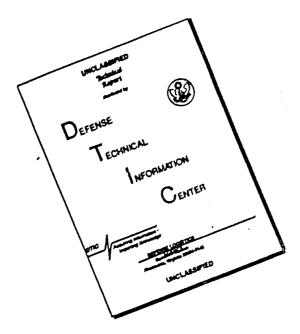
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Prepared for U. S. Army Engineer Waterways Experiment Station P. O. Box 631, Vicksburg, Miss. 39180

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common to all subject areas in research and development are included to provide a complete vocabulary of concepts.

U.S. Army Engineer Waterways Experiment Station, arranged in the format prescribed by the Committee on Scientific and Technical Information, displaying the hierarchical relationships among the terms. Certain nontechnical terms

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

Military vehicles
Terrain
Pavements
Environmental effects
Dredged material
Aquatic plant control

PREFACE

This microthesaurus for scientific and technical information (STINFO) collections covering several disciplines is an expansion of a list of key words originally compiled for use by U. S. Army Engineer Waterways Experiment Station (WES) Library personnel in processing technical information in the subject fields of primary interest at WES. It is a tool to assist in processing STINFO in depth for storage, retrieval, and dissemination and in choosing key words for abstracts and other documentation. The microthesaurus should help resolve problems in libraries, technical information centers, and information analysis centers that process information in an integrated collection covering several different disciplines. Also, the microthesaurus can be used as a basis for indexing material for input in automated or manual systems and to provide standardization in retrieval terminology. Two segments of the microthesaurus, one covering soil mechanics terms and one covering vehicle mobility and pavements terms, were printed prior to completion of the entire project. However, terms presented in those thesauri are also included herein.

The format of the microthesaurus is that recommended by the Committee on Scientific and Technical Information. Dozens of published and unpublished sources were consulted during the microthesaurus project. Not only were several other thesauri used, but works too numerous to mention individually, ranging from unabridged dictionaries and glossaries for various disciplines to technical reports on specialized subjects, were sources of reference. The microthesaurus was compiled in the Library Branch, Technical Information Center (TIC), under the direct supervision of Marie Spivey, Chief, Library Branch. Acknowledgement is made to the following TIC employees for their efforts in completion of this project: Wallace W. Geddings (retired), Virginia Oliver (retired), Ralph C. Peterson, Alfrieda S. Clark, Elizabeth M. Garrett, Estelle S. Sigler, Rose Mary Peck, and all other TIC staff members who helped in some way. Special acknowledgement is made to TIC employees Betty M. Carter, Esther M. Dunlap, and Marietta R. Muffuletto for their typing efforts during the project.

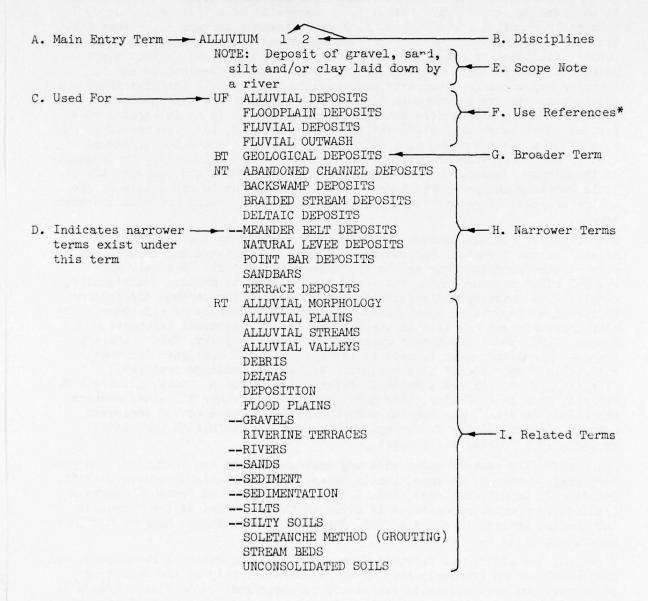
Other WES staff members whose work was instrumental in the conduct of the project are: Walter C. Sherman, Leslie Devay, Frank M. Neilson, George C. Hoff, Sterling J. Knight (retired), John L. McRae (retired) and Frank B. Campbell (retired). Special recognition is given to the Directors of the Technical Information Analysis Centers at WES, Robert W. Cunny, Bryant Mather, Marvin P. Meyer, and Ellis B. Pickett.

Financial assistance was received from the U. S. Army Materiel Development and Readiness Command (formerly Army Materiel Command); help of the following personnel from that office is gratefully acknowledged: John Kicak, Edward J. Kolb, Gerald W. Beveridge, and Walter L. Galson. A special word of appreciation is extended to Margrett Zenich, Chief, Technical Information Division, Office, Chief of Engineers, for her encouragement during the project.

Overall supervision for the microthesaurus project was provided by Alan G. Skelton, Chief, TIC. Commanders and Directors of WES during the compilation, preparation, and publication of the microthesaurus were COL (now MG) Ernest D. Peixotto, CE; COL G. H. Hilt, CE; and COL John L. Cannon, CE. Technical Director was F. R. Brown.

EXAMPLES

OF ENTRIES AND NOTATIONS



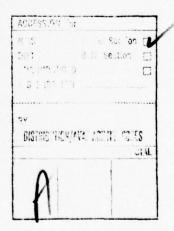
* Use Reference entries appear in alphabetical order throughout the microthesaurus. An example follows:

FLOODPLAIN DEPOSITS
USE ALLUVIUM

EXPLANATION

(Refer to Letters on Opposite Page)

- A. This is the main entry position for the term.
- B. The numbers following each term at its main entry indicate the discipline or disciplines by which the term has been coded. Disciplines are coded as follows: 1 Hydraulics, 2 Soil and Rock Mechanics,
 - 3 Concrete Technology, 4 Weapons Effects and Explosives,
 - 5 Vehicle Mobility and Pavements, 6 General and Miscellaneous,
 - 7 Environmental Effects and Ecology.
- C. UF = Used For. The main entry term is to be used for any term listed under this notation.
- D. The symbol (--) in front of a term indicates that it too has narrower terms when used as a main entry term.
- E. Scope Notes. Used only when some clarification as to the meaning of the term may be needed.
- F. These terms are USE references, not main entry terms.
- G. BT = Broader Terms. Terms under this notation represent a generically broader class which includes the main entry as a narrower term.
- H. NT = Narrower Terms. The reciprocal of G above.
- I. RT = Related Terms. Terms that are not considered to be in the same generic class as the main entry term but are closely associated or related to it.



ABRASION RESISTANCE 3
BT MECHANICAL PROPERTIES
WEAR RESISTANCE
RT ABRASION RESISTANT COATINGS
~-HARDNESS A BOMBS use FISSION WEAPONS A HORIZON 2 use SOIL HORIZONS AASHO ROAD TEST 2 3 5
UF AMERICAN ASSOCIATION OF
STATE HIGHWAY OFFICIALS
ROAD TEST
NATIONAL ROAD TEST
RT--PAVEMENT DESIGN
--PAVEMENT PERFORMANCE AND
EVALUATION ABRASION RESISTANT COATINGS 2 3 5 ISION RESISTANT CONTINUE
F COATINGS
PROTECTIVE COATINGS
F ABRASION RESISTANCE
ABRASION TESTS
--DURABILITY
THERBILITY
THERBILITY
THERBILITY DURABILITY TESTS EPOXY COATINGS SPRAYED COATINGS ABANDONED CHANNEL DEPOSITS 1
UF ABANDONED COURSE DEPOSITS
RELICT CHANNELS
BT ALLUVIUM ABRASION TESTS 2 3 5
UF GRIND TESTS
SAND BLAST ABRASION TESTS
BT WEAR TESTS
RT ABRASION
ABRASION RESISTANT COATINGS
CONCRETE TESTS
DURABILITY TESTS ALLUYIUM
GEOLOGICAL DEPOSITS
MEANDER BELT DEPOSITS
BACKSWAMP DEPOSITS
-CHANNELS
NATURAL LEVEE DEPOSITS
POINT BAR DEPOSITS ABANDONED COURSE DEPOSITS ABRASIVE BLASTING use ABANDONED CHANNEL DEPOSITS NT SAND BLASTING RT ABRASION ABATEMENT 1 7
NT POLLUTION ABATEMENT
SMOKE ABATEMENT
RT--DECONTAMINATION CLEANING
CLEANING AGENTS
CONCRETE FINISHES (HARDENED
CONCRETE) DESIGN FLOW DISPERSION BRASIVES 6 RT--CERAMIC MATERIALS --METALS DISPENSION
--DISPOSAL
FLOOD CONTROL
PURIFICATION
--WATER POLLUTION
WATER POLLUTION CONTROL
WATER QUALITY CONTROL ABSOLUTE HUMIDITY 1 2 3 6 7 use HUMIDITY ABSOLUTE SPECIFIC GRAVITY
USe SPECIFIC GRAVITY ABBREVIATIONS 1 2 3 4 5 6 7 UF ACRONYMS RT CODING ABSOLUTE TEMPERATURE NOMENCLATURE SYMBOLS ABSORBED WATER (CONCRETE) ABIOTIC ENVIRONMENT NOTE: Non-living; pertaining to physico-chemical factors only BT ENVIRONMENTS BSORBENTS 2 3 7
use absorbers (materials) ABSORBERS (MATERIALS) 2 3 7
UF ABSORBENTS
RT--ABSORPTION
ACOUSTICS
ACTIVATED CARBON
ADSORBENTS ABLATION 1 4 RT--EVAPORATION GLACIERS GLACIOLOGY HEAT SHIELDING --ICE ICEBERGS MELTING CHROMATOGRAPHY DESICCANTS RADIATION SHIELDING SNOW SNOWMELT ABSORPTION 1 2 3 6 7
NT X RAY ABSORPTION
RT ABSORBERS (MATERIALS)
--ADSORPTION VAPORIZING ABRASION 1 2 3 5 7
NOTE: Wearing away of surfaces
by mechanical action
RT ABRASION RESISTANT COATINGS
ABRASION TESTS
--ABRASIVE BLASTING ABCAPTION
AERATION
ASSIMILATION
CAPILLARITY
CAPILLARY FLOW
CONCRETE DRYING
DAMPING COMMINUTION CONCRETE EROSION CUTTING --DAMAGE DESICCANTS DESORPTION -- DETERIORATION DISINTEGRATION -DIFFUSION DRYING -ENTRAINMENT HYGROSCOPIC WATER -- EROSION -- FRAGMENTATION --FRICTION GRANULATION INSULATING BOARDS INSULATION GRINDING (COMMINUTION) MEMBRANES ODOR CONTROL SCOUR WEAR WEATHERING (GEOLOGY) OIL SPILL CONTROL

ABSORPTION (Con.) OXYGENATION --PENETRATION
PIPE TESTS
SOIL SUCTION SORPTION SOUND TRANSMISSION WATER LOSS BSORPTION SPECTRA 3 7
NOTE: Image produced by rays when passing in succession through an absorbing medium and a spectroscope
UF ABSORPTION SPECTROSCOPY
BT ELECTROMAGNETIC SPECTRA ABSORPTION SPECTRA RT--SPECTROSCOPY ABSORPTION SPECTROSCOPY 3 7
USE ABSORPTION SPECTRA
SPECTROSCOPY ABSORPTION TESTS 3 BT CONCRETE TESTS ABSTRACTING 1 2 3 4 RT REPORT PREPARATION 4 5 6 7 STRACTS 1 2 3 4 5 6 7 ABSTRACTS TRANSLATIONS ABUTMENT SEEPAGE 1 2 BT SEEPAGE RT DAM ABUTMENTS BUTMENTS 1 2 3

NT BRIDGE ABUTMENTS
DAM ABUTMENTS
SPILLWAY ABUTMENTS
RT--PIERS (SUPPORTS)
--RETAINING WALLS ABUTMENTS ACCELERATED TRAFFIC TESTS BT TRAFFIC TESTS RT AIRFIELD TRAFFIC DURABILITY TESTS
PAVEMENT PERFORMANCE AND
EVALUATION ACCELERATING AGENTS 2 3
RT--ADMIXTURES
CALCIUM CHLORIDES
CATALYSTS
--CHEMICAL REACTIONS
--CCNCRETE ADMIXTURES -- RETARDANTS WATER REDUCING AGENTS ACCELERATION 1 2
RT ACCELEROGRAPHS
ACCELEROMETERS
XINEMATICS -- VELOCITY CCELEROGRAPHS 1 2
NOTE: Instruments for recording the acceleration in velocity of earthquake vibrations
BT RECORDING INSTRUMENTS
RT ACCELERATION ACCELERATION ACCELEROMETERS
EARTHQUAKES ACCELEROGRA PHS SEISMOGRAPHS SEISMOSCOPES -VIBRATIONS ACCELEROMETERS 1 2 3 4 5 6
NOTE: Devices for measuring
acceleration
BT MEASURING INSTRUMENTS
VEHICLE TEST INSTRUMENTS

RT ACCELERATION

ACCELEROMETERS (Con.)
ACCELEROGRAPHS
--DAM INSTRUMENTATION GRAVIMETERS
SEISMOMETERS
--SPEED INDICATORS
--TRANSDUCERS VEHICLE SPEED VELOCITY GAGES (MECHANICAL) ACCEPTABILITY 3 6
RT ACCEPTANCE TESTS
--EVALUATION -- INSPECTION PERFORMANCE TESTS
--QUALITY CONTROL
REJECTION RELIABILITY --SAMPLING TOLERANCES (MECHANICS) ACCEPTANCE TESTS 1 2 3 5 6
RT ACCEPTABILITY
--AGGREGATE TESTS
BENKELMAN BEAM
CONSTRUCTION CONTROL EVALUATION -- FIELD TESTS -- GRADATION GRAIN SIZE ANALYSIS HARDNESS TESTS HARDNESS TESTS
IMPACT TESTS
-INDEX TESTS
INSPECTION
LABORATORY TESTS
-NONDESTRUCTIVE TESTS
PERFORMANCE TESTS (CONCRETE)
PERFORMANCE TESTS (VEHICLES)
PROTOTYPE TESTS
-QUALITY COMTROL
RELATIVE DENSITY
-ROCK TESTS (LABORATORY)
SPECIFICATIONS
STANDARDS STANDARDS TEST PROCEDURES
--UNIT WEIGHT DETERMINATION
--WATER CONTENT DETERMINATION
(SOILS) WETTING AND DRYING TESTS ACCESSIBLE BORING CCESSIBLE BORING 2
MOTE: Boring of sufficient
diameter to permit a person
to enter for examination of
the sidewalls of the hole
BT BORING
RT ACCESSIBLE EXPLORATION
--BOREHOLE CAMERAS
BOREHOLE LOOGING
BOREHOLE PHOTOGRAPHY
--CASINGS (DRILLING)
EXPLORATORY PITS
EXPLORATORY TRENCHES
EXPLORATORY TRENCHES
EXPLORATORY WELLS
TEST HOLES TEST HOLES UNDISTURBED SAMPLING ACCESSIBLE EXPLORATION NOTE: Exploration which permits direct examination and mapping of strata in situ BT EXPLORATION SUBSURPACE EXPLORATION
ACCESSIBLE BORING
BOREHOLE LOGGING
EXPLORATORY PITS
EXPLORATORY TRENCHES
EXPLORATORY WELLS

-FIELD TESTS
SHAFTS (EXCAVATIONS)
SOIL PROFILES
SURFACE SAMPLERS (ROCK)
SURFACE SAMPLERS (SOILS)

--TUNNELS

ACCESSIBLE EXPLORATION (Con.)
UNDISTURBED SAMPLING
WELL LOGGING ACCIDENT PREVENTION
BT SAFETY
RT ACCIDENTS
FIRE PREVENTION SAFETY ENGINEERING CCIDENTS 4 5 6
RT ACCIDENT PREVENTION
DESTRUCTION DISASTERS -- EXPLOSIONS FIRES --HAZARDS --INJURIES SAFETY SAFETY ENGINEERING ACCLIMATION use ACCLIMATIZATION ACCLIMATIZATION 7 NOTE: Acclimation or adaptation of a particular species over several generations to a marked change in the environment UF ACCLIMATION BT ADAPTATION RT--ECOTYPES
--ENVIRONMENTAL EFFECTS
--ENVIRONMENTS
EVOLUTION HOMEOSTASIS
--TOLERANCES (PHYSIOLOGY) ACCOUNTING RT--ALLOCATIONS AUDITING BUDGETING COST CONTROL COST ENGINEERING LIABILITIES ACCRETION (GEOMORPHOLOGY) 1 2
NOTE: Gradual buildup of land
over a long period of time
RT-AGGRADATION
BEACH NOURISHMENT -- GEOMORPHOLOGY SEDIMENTATION ACCRETION (SOIL MOISTURE) NOTE: Gain of soil moisture
RT--PRECIPITATION (METEOROLOGY)
--SOIL MOISTURE
--SOIL MOISTURE RELATIONS ACIDS ACETYLENE WELDING 2 6
UF OXYACETYLENE WELDING
BT WELDING ACID MINE DRAINAGE use ACID MINE WATER MINE DRAINAGE ID MINE WATER 1 7 NOTE: Mine water which contains free sulfuric acid, mainly due to the weathering of iron ACID MINE WATER pyrites
UF ACID MINE DRAINAGE
BT ACIDIC WATER
MINE WATERS
WATER ACIDS BRACKISH WATER LIQUID WASTES MINE DRAINAGE MINES (EXCAVATIONS) WASTE WATER

WATER POLLUTION

ACID MINE WATER (Con.)
WATER POLLUTION SOURCES ACID RESISTANCE 2 3 5 RT ACID RESISTANCE TESTS --ACIDS ASPHALT PRIMER
CHEMICAL ATTACK
--CHEMICAL PROPERTIES
--CORROSION -- CORROSION RESISTANCE -- CORROSION TESTS --CORROSION TESTS
--DURABILITY
LIQUID ASPHALT
FASSIVITY
--PROTECTIVE COATINGS
PROTECTIVE COATINGS (LANDING
MATS) PROTECTIVE COATINGS (MEM-BRANES) STRESS CORROSION RESISTANCE ACID RESISTANCE TESTS 3
BT CHEMICAL TESTS
CORROSION TESTS
RT ACCELERATED TESTS
ACID RESISTANCE
ALKALI RESISTANCE TESTS
IMMERSION TESTS (CORROSION)
SALT SPRAY TESTS
STRESS CORROSION TESTS ACID SOILS 2 5 ACIDS AGRICULTURAL ENGINEERING AGRICULTURE ALKALINE SOILS CORROSION LATERITES pH TESTS (SOILS) SALINE SOILS ACIDIC WATER 1 7
BT WATER
NT ACID MINE WATER
RT ACIDS BRACKISH WATER INDUSTRIAL WATER WASTE WATER ACIDITY 1 2 3 7
BT CHEMICAL PROPERTIES
RT ACIDS ALKALINITY pH pH TESTS SOIL PROPERTIES WATER PROPERTIES CIDS 2 3 6 7

NT INORGANIC ACIDS
ORGANIC ACIDS
ORGANIC ACIDS
ACID MINE WATER
ACID RESISTANCE
ACID SOILS
--ACIDIC WATER
ACIDITY
ALKALIES
CHEMICAL WASTES CHEMICAL WASTES ELECTROLYTES pH --pH TESTS --SALTS ACKERMAN STEERING 5
NOTE: System whereby the steering
of a wheeled vehicle is such
that, as far as possible, the
axes of all axles meet at a common point
UF CONVENTIONAL STEERING
BT STEERING
RT ARTICULATED STEERING ACOUSTIC DEPTH FINDERS 1 2
use DEPTH FINDERS

3

```
ACOUSTIC SURVEYS (Con.)
SUBSURFACE EXPLORATION
ACOUSTIC DETECTION
    BT DETECTION
NT SEISMIC DETECTION
                                                                                                                          RT ACOUSTIC PROPERTIES
--ACOUSTICS
             SONAR DETECTION
    RT SOFAR
                                                                                                                                   SOUND WAVES
                                                                                                                          UUSTIC WAVES 1 2 3 4 6 7
ACOUSTIC DETECTORS
                                                                                                                      ACOUSTIC WAVES
    BT DETECTORS
NT HYDROPHONES
            ORDNANCE DETECTORS
                                                                                                                          COUSTICS 1 2 3 4 5 6 7
NOTE: Branch of physics that
deals with sound and sound
                                                                                                                      ACOUSTICS
             SOFAR
ACOUSTIC FILTERS 6
UF SOUND FILTERS
BT FILTERS
RT NOISE REDUCTION
                                                                                                                               waves
                                                                                                                          waves
NT UNDERWATER ACOUSTICS
RT ABSORBERS (MATERIALS)
ACOUSTIC FLOWMETERS
ACOUSTIC IMAGING
--ACOUSTIC MEASURING
INSTRUMENTS
--ACOUSTIC SURVEYS
ACOUSTIC SURVEYS
ACOUSTIC FLOWMETERS 1
UF ULTRASONIC FLOWMETERS
BT ACOUSTIC MEASURING
INSTRUMENTS
FLOWMETERS
                                                                                                                                   ARCHITECTURE
COMPRESSION WAVES
             MEASURING INSTRUMENTS
VELOCITY METERS (FLUIDS)
                                                                                                                               -- FREQUENCY
HARMONICS
    RT--ACOUSTICS
                                                                                                                                   HAHMONICS
INSULATING BOARDS
MECHANICAL WAVES
NOISE REDUCTION
NOISE (SOUND)
POWER SPECTRA
ACOUSTIC IMAGING 4 6
         --DETECTION
             SONAR
             SONAR DETECTION
                                                                                                                                   RESONANCE
RESONANT FREQUENCY
ACOUSTIC INSULATION 3 6
UF SOUND INSULATION
SOUNDPROOFING
BT INSULATION
                                                                                                                                  SOUND TRANSMISSION
SOUND WAVES
ULTRASONIC
    RT--CONCRETE PANELS
INSULATING BOARDS
                                                                                                                                   VIBRATION DAMPING
VIBRATION THEORY
         NOISE REDUCTION
                                                                                                                               --VIBRATIONS
             SOUND TRANSMISSION
                                                                                                                      ACRONYMS 1 2 3 4 5 6 7 use ABBREVIATIONS
ACOUSTIC MEASURING INSTRUMENTS 1 2 3 4 7
BT MEASURING INSTRUMENTS
NT ACOUSTIC FLOWMETERS
RT--ACOUSTICS
                                                                                                                      ACRYLATE GROUTS
                                                                                                                          use CALCIUM ACRYLATE GROUTS
             HYDRO PHONES
                                                                                                                      ACRYLIC PLASTICS 2 3 5
use ACRYLIC RESINS
ACOUSTIC MINE DETECTORS
BT DETECTORS
MINE DETECTORS
ORDNANCE DETECTORS
                                                                                                                      ACRYLIC RESINS 2 3 5

UF ACRYLIC PLASTICS

BT RESINS (SYNTHETIC)

RT--ADMESIVES
ACOUSTIC NOISE 3 6 7
use NOISE (SOUND)
                                                                                                                                   LATEX
                                                                                                                               -- SYNTHETIC FIBERS
ACOUSTIC PROPERTIES 2 3 4 5
NT ACOUSTIC RESONANCE
RT ACOUSTIC SURVEYS
--ACOUSTICS
                                                                                                                      ACTINOMETERS 7
NOTE: Instruments which measure radiant energy, especially the property that produces chemical effects
RT ACTINOMETRY
MONITORS
         --DENSITY (MASS/VOLUME)
--FREQUENCY
         LAMB WAVES
--MECHANICAL PROPERTIES
MECHANICAL WAVES
RESONANCE
                                                                                                                      ACTINOMETRY 7
                                                                                                                          NOTE: Measurement of chemical
reactions caused by radiation
RT ACTINOMETERS
         -SONICS
SOUND WAVES
VEHICLE SIGNATURE
--VIBRATIONS
                                                                                                                               -- SOLAR RADIATION
         --VIBRATIONS
WAVE ATTENUATION
WAVE DIFFRACTION
WAVE DISPERSION
--WAVE PROPAGATION
WAVE RAREFACTION
WAVE REFLECTION
WAVE REFRACTION
                                                                                                                        CTINOMYCETES 7
NOTE: Group of organisms
possessing very fine hyphae
or threads, classified with
bacteria or fungi; various
kinds cause decomposition,
disease, or produce antibiotics
such as streptomycin
BT BACTERIA
MICRORGANISMS
PLANTS (BOTANY)
                                                                                                                      ACTINOMYCETES
ACOUSTIC RESONANCE 4
BT ACOUSTIC PROPERTIES
RESONANCE
                                                                                                                         PLANTS (BOTANY)
RT AEROBIC BACTERIA
--ANAEROBIC BACTERIA
ACOUSTIC SURVEYS 2
BT GEOPHYSICAL EXPLORATION
```

4

ACTINOMYCETES (Con.)
PATHOGENIC BACTERIA
SOIL BACTERIA
--SOIL MICROORGANISMS

ACTIVATED CARBON 7
NOTE: Any form of carbon
characterized by high adsorptive capacity for gases,
vapor and colloidal solids
RT ABSORBERS (MATERIALS)
ACTIVATED CARBON TREATMENT
ADSORBENTS
CARBON

ACTIVATED CARBON TREATMENT 1 7
RT ACTIVATED CARBON
--ADSORPTION
CHEMICAL REMOVAL (WATER
TREATMENT)
CLARIFICATION
ODOR CONTROL
--SEWAGE TREATMENT
TERTIARY TREATMENT
WATER PURIFICATION
--WATER TREATMENT

ACTIVATED SLUDGE 7
use SLUDGE

ACTIVATED SLUDGE PROCESS 7
NOTE: Process of using biologically active sewage sludge to
hasten breakdown of organic
matter in raw sewage during
secondary waste treatment
BT WASTE TREATMENT
RT AERATION
AEROBIC PROCESSES
BIODEGRADATION
CLARIFICATION
FLOCCULATION
INDUSTRIAL WASTE TREATMENT
SEDIMENTATION
--SEWAGE TREATMENT
SLUDGE
SLUDGE DIGESTION

ACTIVATION ANALYSIS 3 6
use RADIOACTIVATION ANALYSIS

ACTIVE EARTH PRESSURE 2
BT EARTH PRESSURE
PRESSURE
RT--ANCHORS (STRUCTURES)
AT-REST EARTH PRESSURE
PASSIVE EARTH PRESSURE

ACTIVE FROST ZONE 2 5
UF ACTIVE LAYER
ACTIVE ZONE (SOILS)
RT FOUNDATION DEPTH
FROST
--FROST ACTION
FROST PENETRATION
FROST SUSCEPTIBLE SOILS
FROZEN SOILS
PERMAFROST
SOIL TEMPERATURE
THANING

ACTIVE LAYER 2 5
USe ACTIVE PROST ZONE

ACTIVE ZONE (SOILS) 2 5

ACTIVITY RATIO 2
NOTE: Ratio of plasticity index
to clay fraction
RT-=CLAY MINERALS
PLASTICITY INDEX

ACTUATORS 1

ACTUATORS (Con.)
--CONTROL EQUIPMENT
SERVOMECHANISMS

ACV 2 5
use AIR CUSHION VEHICLES

ADAPTATION 7
NOTE: Process or processes by which an organism becomes apparently better suited to its environment or for particular functions
NT ACCLIMATIZATION
RT-ENVIRONMENTAL EFFECTS
EURYTOPICITY
EVOLUTION
HOMEOSTASIS
--TOLERANCES (PHYSIOLOGY)

ADAPTIVE CONTROL 6
use ADAPTIVE SYSTEMS

ADAPTIVE SYSTEMS 6
UF ADAPTIVE CONTROL
RT ARTIFICIAL INTELLIGENCE
AUTOMATA THEORY
--AUTOMATIC CONTROL
AUTOMATION
CYBERNETICS
PROCESS CONTROL
SELF ORGANIZING SYSTEMS

ADDITIONS (CEMENT) 3 use CEMENT ADDITIONS

ADDITIVES 2 3 5
UF CHEMICAL ADDITIVES
NT CEMENT ADDITIONS
RT--ADMIXTURES
AIR ENTRAINMENT
--CHEMICAL REACTIONS
--CONCRETE ADMIXTURES
CORROSION INHIBITORS
--FILLERS
FLY ASH
POZZOLANS
SOIL ADMIXTURES
--SOIL STABILIZATION
SOLVENTS
TOBERMORITE

ADDITIVES (CEMENT) 3 use CEMENT ADDITIONS

ADENOSINE PHOSPHATES 7 BT PHOSPHATES

ADHESION 2 3 5 6 7
NT SOIL ADMESION
RT--ADHESIVES
--ADSORPTION
BONDING
CEMENTATION
--COHESION
FUSION (MELTING)
--MECHANICAL PROPERTIES
SEALING
--SHEAR TESTS
VISCOSITY

ADHESIVE JOINTS 6
BT JOINTS (JUNCTIONS)
RT ADHESIVES

ADHESIVES 2 3 5 6
UF BONDING AGENTS
NT METAL ADHESIVES
PACKAGING ADHESIVES
PAPER AND FABRIC ADHESIVES
PHOTOGRAPHIC ADHESIVES
PLASTIC ADHESIVES
RUBBER ADHESIVES
STRUCTURAL ADHESIVES

ADHESIVES (Con.)	ADOBE (Con.)
RT ACRYLIC RESINS	BT CLAYEY SOILS
ADHESION ADHESIVE JOINTS	COHESIVE SOILS
ALKYD RESINS	ADSORBED WATER 1 2
BINDERS	UF BOUND WATER
COATINGS COHESION	CHEMICALLY BOUND WATER BT MOISTURE
CONNECTIONS	SOIL MOISTURE
EPOXY RESINS	VADOSE WATER
FASTENERS	WATER RTADSORPTION
JOINTS (JUNCTIONS) LATEX	BOUNDARY LAYER
POLYURETHANE RESINS	CLAY STRUCTURE
RESINS (SYNTHETIC)	COLLOIDAL PROPERTIES DOUBLE LAYER THEORY
SEALERS SEALING COMPOUNDS	FILMS (MOISTURE)
SETTING TIME	HYGROSCOPIC WATER
SODIUM SILICATES SYNTHETIC RUBBER	ION ADSORPTION SOIL PHYSICS
VINYL RESINS	SOIL SWELLING
	SUBSURFACE WATERS
ADIABATIC CONDITIONS 3	SWELLING PRESSURE
NOTE: Condition in which heat neither enters nor leaves	ADSORBED WATER (CONCRETE) 3
RT ADIABATIC TEMPERATURE RISE	use WATER OF HYDRATION
TESTS	ADCORPENSE 2 7
HEAT	ADSORBENTS 3 7 RT ABSORBERS (MATERIALS)
ADIABATIC FLOW 1	ACTIVATED CARBON
use COMPRESSIBLE FLOW	ADSORPTION
ADIABATIC TEMPERATURE RISE TESTS 3	DESICCANTS
BT CONCRETE TESTS	ADSORPTION 1 2 3 6 7
RT ADIABATIC CONDITIONS	BT COLLOIDAL PROPERTIES
ADITS 2	NT ION ADSORPTION RTABSORPTION
NOTE: Tunnels driven to provide	ACTIVATED CARBON TREATMENT
access to underground workings	ADHESION
BT TUNNELS RT DRIFTS (MINTIG)	ADSORBED WATER ADSORBENTS
EXPLORATORY PITS	CHEMICAL REMOVAL (WATER
EXPLORATORY TRENCHES	TREATMENT)
MINES (EXCAVATIONS)	CHROMATOGRAPHY DESICCATION
SHAFTS (EXCAVATIONS) TEST HOLES	DESCRITION
	DIFFUSION
ADM 4 use ATOMIC DEMOLITION MUNITIONS	EXTRACTION HYGROSCOPIC WATER
use ATOMIC DEMOLITION MONITIONS	HYSTERESIS
ADMINISTRATIVE COSTS 6	MONOMOLECULAR FILMS
BT COSTS RT CONSTRUCTION COSTS	SORPTION SPECIFIC SURFACE
COST SHARING	WATER TREATMENT
LABOR COSTS	
ADMINISTRATIVE ENGINEERING 6	ADVANCED WASTE TREATMENT 7 use TERTIARY TREATMENT
use MANAGEMENT ENGINEERING	use TERTIARI TREATMENT
	ADVANCING SLOPE METHOD 3
ADMIXTURES 2 3 5 NT COLORING ADMIXTURES	NOTE: Method of placing concrete or grout
CONCRETE ADMIXTURES	BT CONCRETE PLACING
MINERAL ADMIXTURES	
SOIL ADMIXTURES	ADVECTION 7 NOTE: Horizontal flow of air
RT ACCELERATING AGENTSADDITIVES	at the surface or aloft
BINDERS	RT CONVECTION
CEMENT ADDITIONS	HEAT TRANSFER WIND (METEOROLOGY)
DISPERSANTS EXPANDING AGENTS	WIND (METEOROLOGI)
FLY ASHFOAMING AGENTS	AEOLIAN DEPOSITS 1 2
	UF AEOLIAN SOILS WIND DEPOSITS
GROUTS POLYMER IMPREGNATED CONCRETE	BT GEOLOGICAL DEPOSITS
POZZOLANS	NT AEOLIAN SANDS
RETARDANTS	LOESS RT BLOWING SAND OR DUST
SURFACTANTS WATER REDUCING AGENTS	DESERT DEPOSITS
WETTING AGENTS	DUNES
	DUST CLOUDS
ADOBE 2 NOTE: Sandy, sometimes calcareous,	SANDS SANDY SOILS
clay used for making sun-dried	SILTS
brick	

c

AERIAL MAPPING 1 : AEOLIAN DEPOSITS (Con.) --SILTY SOILS WIND ACTION GEOLOGY AERIAL MINES 4
UF MINES (ORDNANCE)
RT DROP TESTS (WEAPONS) WIND EROSION AEOLIAN SANDS 1 2
BT AEOLIAN DEPOSITS
GEOLOGICAL DEPOSITS
GRANULAR MATERIALS --WEAPONS AERIAL PENETROMETERS 2 5 BT PENETROMETERS
REMOTE SENSING INSTRUMENTS
SOIL STRENGTH TEST
INSTRUMENTS BEACH SANDS BLOWING SAND OR DUST DESERTS AERIAL COME PENETROMETERS AUTOMATED PENETROMETERS PENETRATION DEPTH PREDICTION LOESS WIND ACTION GEOLOGY SOIL STRENGTH PREDICTION
--TERRADYNAMICS
--TRAFFICABILITY TEST AEOLIAN SOILS 1 2 use AEOLIAN DEPOSITS INSTRUMENTS AERATED CONCRETES AERIAL PHOTOGRAPHIC INTERPRETATION 1 2 5 6 use AIRPHOTO INTERPRETATION use CELLULAR CONCRETES AERATION 1 2 3 7
NOTE: Process of being supplied or impregnated with air
RT--ABSORPTION AERIAL PHOTOGRAPHS 1 2 5 6 BT PHOTOGRAPHS RT AERIAL PHOTOGRAPHY ACTIVATED SLUDGE PROCESS AERATORS AIRPHOTO INTERPRETATION PHOTOGEOLOGY AEROBIC CONDITIONS AEROBIC PROCESSES PHOTOGRAMMETRY STEREOSCOPIC PHOTOGRAPHS --AIR --AIR ADMISSION TERRAIN MAPS VEGETATIVE COVER AIR ENTRAINMENT (WATER) AERIAL PHOTOGRAPHY 1 2 5 6 7 AIR VENTS BT PHOTOGRAPHY
RT AERIAL PHOTOGRAPHS
AERIAL SURVEYS
AIRPHOTO INTERPRETATION BIOCHEMICAL OXYGEN DEMAND BUBBLES CAVITATION
CEMENT STORAGE
-CORROSION PREVENTION
DEAERATION HIGH SPEED PHOTOGRAPHY INFRARED PHOTOGRAPHY -MAPPING
MILITARY ENGINEERING
MILITARY GEOGRAPHIC
INTELLIGENCE DISSOLVED OXYGEN DISTILLATION ENTRAINMENT FLUIDIZING MIXING ODOR CONTROL MILITARY GEOLOGY MOSAICS MULTIBAND PHOTOGRAPHY
--PHOTO INTERPRETATION
PHOTOGEOLOGY
PHOTOGRAMMETRY OXYGEN OXYGENATION PURIFICATION REAERATION --SEPARATION
--SEWAGE TREATMENT PHOTOGRAPHIC RECONNAISSANCE PHOTOGRAPHS SPRAYING -- RECONNAISSANCE STEREOSCOPIC PHOTOGRAPHY SPRAYS WASTE WATER TREATMENT
--WATER CIRCULATION
WATER FILTERS
WATER PURIFICATION --SURVEYING AERIAL RECONNAISSANCE
use AERIAL SURVEYS 1 2 5 WATER QUALITY CONTROL
--WATER TREATMENT AERIAL SURVEYS 2 5 ERIAL SURVEYS 1 2 5

UF AERIAL MAPPING
AERIAL RECONNAISSANCE

RT AERIAL FHOTOGRAPHY
AEROMAGNETIC MAPS
ENGINEERING INTELLIGENCE
--ENVIRONMENTAL ANALYSIS
GEODETIC SURVEYS ZONE OF AERATION AERATORS 1 7
NOTE: Mechanical devices used to inject air
RT AERATION GEODETIC SURVEYS
--GEOLOGIC INVESTIGATIONS
HYDROGRAPHIC SURVEYS
--MAPPING DEAERATION AERIAL CONE PENETROMETERS
BT AERIAL PENETROMETERS
CONE PENETROMETERS MILITARY ENGINEERING MILITARY GEOGRAPHIC PENETROMETERS REMOTE SENSING INSTRUMENTS PENETRATION DEPTH PREDICTION INTELLIGENCE MOSAICS MULTIBAND PHOTOGRAPHY PHOTOGEOLOGY SOIL STRENGTH PREDICTION AERIAL EXPLOSIONS 4
BT EXPLOSIONS
RT AIR BLAST WAVES
HEIGHT-OF-BURST
HIGH ALTITUDE EXPLOSIONS
--NUCLEAR EXPLOSIONS
WATER SHOCK WAVES (AIR
INDUCED) PHOTOGRAMMETRY PHOTOGRAPHIC RECONNAISSANCE RECONNAISSANCE REMOTE SENSING

SITE INVESTIGATION -SITE SELECTION SITE SELECTION STUDIES

-- SURVEYING

AERIAL SURVEYS (Con.)
TERRAIN ANALYSIS
TOPOGRAPHIC SURVEYS VEGETATION SURVEYS AERIALS 4
use ANTENNAS AEROBIC BACTERIA BIC BACTERIA 7
PACTERIA DECOMPOSERS
MICROORGANISMS
PLANTS (BOTANY)
ACTINOMYCETES
AEROBIC CONDITIONS
AEROBIC PROCESSES
-AQUATIC BACTERIA
AQUATIC MICROBIOLOGY
-AQUATIC MICROORGANISMS
MIME WASTES MINE WASTES MYXOBACTERATES NITROGEN-FIXING BACTERIA
--SEWAGE TREATMENT AEROBIC CONDITIONS AERATION AEROBIC BACTERIA ANAEROBIC CONDITIONS OXYGEN AEROBIC PROCESSES NOTE: Processes that can occur only in the presence of oxygen
ACTIVATED SLUDGE PROCESS
AERATION
AEROBIC BACTERIA ANAEROBIC PROCESSES BIOCHEMICAL OXYGEN DEMAND FILTRATION
--SEWAGE TREATMENT
SLUDGE DIGESTION AERODYNAMIC CHARACTERISTICS I UF AERODYNAMIC COEFFICIENTS NT--AERODYNAMIC FORCES AERODYNAMIC LOADS AERODYNAMIC STABILITY AEROELASTICITY LIFT WAVE DRAG AERODYNAMICS AERODYNAMIC COEFFICIENTS 1
use AERODYNAMIC CHARACTERISTICS AERODYNAMIC DRAG use DRAG AERODYNAMIC FORCES 1
BT AERODYNAMIC CHARACTERISTICS
NT LIFT
RT AERODYNAMIC LOADS
--DRAG THRUST AERODYNAMIC LIFT 1 AERODYNAMIC LOADS 1
BT AERODYNAMIC CHARACTERISTICS DYNAMIC LOADS
LOADS (FORCES)
RT--AERODYNAMIC FORCES DRAG GUST LOADS AERODYNAMIC STABILITY 1
BT AERODYNAMIC CHARACTERISTICS
RT AEROELASTICITY
AEROSTATICS FLUTTER

AERODYNAMICS 1 2 4 6
NOTE: Branch of fluid dynamics,
the study of the relative motion
of gases and solid bodies

AERODYNAMICS (Con.)
BT FLUID DYNAMICS
FLUID MECHANICS
GAS DYNAMICS RT -- AERODYNAMIC CHARACTER-ISTICS AEROELASTICITY AERONAUTICS AEROTHERMODYNAMICS
--AIRCRAFT BOUNDARY LAYER CONTROL
--COMPRESSIBLE FLOW --DRAG --DYNAMIC LOADS --DYNAMICS
--FLUID FLOW --GASES GROUND EFFECT GROUND EFFECT
HYDRODYNAMICS
HYPERSONIC FLOW
INCOMPRESSIBLE FLOW
JET DIFFUSION
JETS (FLUIDS)
LAMINAR FLOW
MECHANICAL ENGINEERING
NONUNIFORM FLOW SUBSONIC FLOW SUPERSONIC FLOW THERMODYNAMICS TRANSIENT FLOW TRANSONIC FLOW TURBULENT FLOW UNSTEADY FLOW VISCOUS FLOW WAKES --WIND TUNNELS AEROELASTICITY EROELASTICITY 1 6
BT AERODYNAMIC CHARACTERISTICS
RT AERODYNAMIC STABILITY AERODYNAMICS FLUTTER AEROFOILS use AIRFOILS AEROMAGNETIC MAPS 2 NOTE: Maps made by using an aerial magnetometer
BT MAPS
RT AERIAL SURVEYS
MAGNETIC SURVEYS AERONAUTICAL ENGINEERING USE AEROSPACE ENGINEERING AERONAUTICAL INSTRUMENTS AND
EQUIPMENT 6
UF AIRCRAFT INSTRUMENTS
NT RADIO ALTIMETERS
RT AERONAUTICS LANDING GEAR AERONAUTICAL SYMBOLS 1 2 3 4 5 6 7 use SYMBOLS AERONAUTICS 2 4 6 UF AVIATION RT AERODYNAMICS -AERONAUTICAL INSTRUMENTS
AND EQUIPMENT
-AIRCRAFT
-AIRCRAFT LANDING AREAS
-DYNAMICS ROSOLS 6 7 RT AIR POLLUTION AIRBORNE WASTES AEROSOLS COLLOIDS -- DUST --EMISSIONS --FOG FUMES MIST

AEROSOLS (Con.)
PESTICIDE DRIFT
SMOG
SMOKE

AEROSPACE ENGINEERING 6
UP AERONAUTICAL ENGINEERING
SPACE ENGINEERING
RT ASTRONAUTICS
MECHANICAL ENGINEERING
STRUCTURAL ENGINEERING

AEROSPACE ENVIRONMENT 5 6 7
UF SPACE ENVIRONMENT
BT ENVIRONMENTS
RT ASTRONAUTICS
LUNAR ENVIRONMENT
--SOLAR RADIATION
SPACE EXPLORATION
SPACE FLIGHT
THERMAL ENVIRONMENT

AEROTHERMODYNAMICS
RT AERODYNAMICS
THERMODYNAMICS

AFFORESTATION 7
NOTE: Process of transforming an area into forest, usually when trees have not previously grown there
BT VEGETATION FSTABLISHMENT RT FOREST MANAGEMENT FORESTRY LAND MANAGEMENT REFORESTATION

AFTERBAYS 1
NOTE: Tailrace of a hydroelectric plant at the
outlet of the turbines
BT RESERVOIRS
RT FOREBAY DAMS
HYDROELECTRIC PLANTS
HYDROELECTRIC POWER
TAILRACES
TAILWATER

AFTERBURNERS 7
NOTE: Air pollution abatement device that removes undesirable organic gases through incineration RT AIR POLLUTION CONTROL EQUIPMENT CATALYTIC CONVERTERS

AGE-STRENGTH RELATIONSHIP (CONCRETE) 3 RT AGING COMPRESSIVE STRENGTH (CONCRETE) --CONCRETE STRENGTH

AGGRADATION 1 2
NOTE: Buildup of the land
surface by the deposition of
sediments by stream or wind
action
UF ALLUVIATION
STREAM AGGRADATION
RC ACCRETION (GEOMORPHOLOGY)
ALLUVIAL STREAMS
ARMORING (STREAMBEDS)
BED MOVEMENTS
--DEGRADATION
DEPOSITION

AGGRADATION (Con.)
SEDIMENT CONCENTRATION
--SEDIMENTATION
--SEDIMENTOLOGY
STREAM DEGRADATION
STREAM EROSION
--STREAMS

AGGREGATE BLENDING 2 3 5
BT BLENDING
RT--AGGREGATES
CONCRETE MIXERS
--MIXERS
SOIL BLENDING

AGGREGATE GRADATION 2 3 5
UF AGGREGATE GRADING
BT GRADATION
RT--AGGREGATE TESTS
AGGREGATE TEXTURE
--AGGREGATES
GAP GRADED AGGREGATES
--GRAIN SIZE ANALYSIS
--GRAIN SIZES

AGGREGATE GRADING 2 3 5 use AGGREGATE GRADATION

AGGREGATE INTERLOCK 3 RT--AGGREGATES LOAD TRANSFER

AGGREGATE PLANTS 2 3 5
BT PLANTS (MATERIAL MIXING)
RT--AGGREGATES
CONCRETE MIXING PLANTS

AGGREGATE SHAPES 2 3
RT AGGREGATE TEXTURE
--AGGREGATES
GRAIN SHAPES

AGGREGATE SIZE 3
UF MAXIMUM SIZE AGGREGATE
RT--AGGREGATES

AGGREGATE SPREADERS 2 3 5
BT CONSTRUCTION EQUIPMENT
PAVING EQUIPMENT (BITUMINOUS)
SPREADERS
RT--AGGREGATES

AGGREGATE TESTS 2 3 5
NT CLAY LUMP TESTS
RT ACCEPTANCE TESTS
AGGREGATE GRADATION
--AGGREGATES
--DURABILITY
DURABILITY
DURABILITY TESTS
FREEZE-THAW TESTS
--GRAIN SIZE ANALYSIS
--HARDNESS
HARDNESS
HARDNESS
REACTIVE AGGREGATES
SPECIFIC GRAVITY
STRIPPING
TEST PROCEDURES
--WEAR TESTS

AGGREGATE TEXTURE 2 3 5
BT TEXTURE
RT AGGREGATE GRADATION
AGGREGATES
--AGGREGATES
--GRAIN SIZE ANALYSIS
--LIGHTWEIGHT AGGREGATES

AGGREGATES 1 2 3 5
NOTE: Granular material which
when bound together into a
conglomerated mass by a matrix
forms concrete or mortar
NT COARSE AGGREGATES
CONCRETE AGGREGATES

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AGGREGATES (Con.)
FINE AGGREGATES
GAP GRADED AGGREGATES
HEAVYWEIGHT AGGREGATES
LIGHTWEIGHT AGGREGATES
REACTIVE AGGREGATES
SOLL AGGREGATES
                                                                                                                                       AGRICULTURAL ENGINEERING (Con.)
SOIL SURVEYS
                                                                                                                                                       TOPSOIL
TOPSTRATUM DEPOSITS
VEGETATIVE COVER
         REACTIVE AGGREGATES
SOIL AGGREGATES
SYMTHETIC AGGREGATES
T AGGREGATE BLENDING
AGGREGATE BLENDING
AGGREGATE INTERLOCK
AGGREGATE INTERLOCK
AGGREGATE SHAPES
AGGREGATE SHAPES
AGGREGATE SPREADERS
AGGREGATE TESTS
AGGREGATE TESTS
AGGREGATE TESTS
AGGREGATE TEXTURE
CINDERS
                                                                                                                                        AGRICLTURAL MACHINERY (VEHICLES)
use AGRICULTURAL VEHICLES
                                                                                                                                       AGRICULTURAL VEHICLES 5
UF AGRICULTURAL MACHINERY
(VEHICLES)
FARM VEHICLES
RT AGRICULTURAL ENGINEERING
AGRICULTURE
--ARTICULATED VEHICLES
ELECTRIC VEHICLES
--FORESTRY VEHICLES
--LAND CLEARING VEHICLES
--LOGGING VEHICLES
--OFF-ROAD VEHICLES
TILLAGE
--TRACKED VEHICLES
--TRACTORS
              CINDERS
COHESIONLESS SOILS
CONCRETE MIXING PLANTS
-CONCRETES
CORAL
               CINDERS
             CRAL
CRUSHED STONE
GRANULAR MATERIALS
GRAVEL PITS
-GRAVELS
                                                                                                                                                   --TRACTORS
                                                                                                                                                   -- TRUCKS
                                                                                                                                                   -- WHEELED VEHICLES
              MINERAL FILLERS
MORTARS (MATERIAL)
PEA GRAVELS
RUBBLE
SANDS
                                                                                                                                         AGRICULTURAL WASTES
                                                                                                                                             HICULTURAL WASTES 7
NOTE: Solid and liquid wastes
arising from animals, harvesting
of crops, pesticides, erosion
sediment, logging debris, dried
stalk of harvested grain, etc.
BT WASTES
TOMPOSTS
ETERLILIZES
ETERLILIZES
           --SANDS
               STRIPPING (AGGREGATES)
AGING 2 3 7
RT AGE-STRENGTH RELATIONSHIP
(CONCRETE)
--CORROSION
                                                                                                                                                       FERTILIZERS
INDUSTRIAL WASTES
                                                                                                                                                       MULCHES
ORGANIC WASTES
               CURTNG
          --DAMAGE
--DECOMPOSITION
--DEGRADATION
--DETERIORATION
                                                                                                                                                        PESTICIDE RESIDUES
                                                                                                                                                        SEWAGE
                                                                                                                                                   -- WASTE DISPOSAL
          DISINTEGRATION
--FRAGMENTATION
                                                                                                                                        AGRICULTURAL WATERSHEDS 1 7
BT WATERSHEDS
RT AGRICULTURE
FARM PONDS
               OXIDATION WEATHERING (GEOLOGY)
AGREEMENTS
                                                                                                                                                       FARMS
          CHANGE ORDERS
--CONTRACT ADMINISTRATION
                                                                                                                                                       LAND USE
SURFACE RUNOFF
           --CONTRACTS
LEASES
                                                                                                                                        AGRICULTURE 5 6 7
RT ACID SOILS
AGRICULTURAL CHEMISTRY
AGRICULTURAL ENGINEERING
AGRICULTURAL VEHICLES
AGRICULTURAL WATERSHEDS
               LEASING
REPAYMENT CONTRACTS
RIGHT OF WAY
TREATIES
AGRICULTURAL CHEMISTRY 6
                                                                                                                                                       ALKALINE SOILS
AQUICULTURE
              AGRICULTURE
CHEMICAL ENGINEERING
                                                                                                                                                   -- ARABLE LAND
CUTTING BLADES
AGRICULTURAL ENGINEERING 1 2 5 6
                                                                                                                                                        FARMS
              ACID SOILS
AGRICULTURAL VEHICLES
                                                                                                                                                       IRRIGATION
               AGRICULTURE
ALKALINE SOILS
DRAINAGE ENGINEERING
                                                                                                                                                  -- PEST CONTROL
                                                                                                                                                  -- PLANTS (BOTANY)
                                                                                                                                                       PLOWS
          -- IRRIGATION CANALS
IRRIGATION ENGINEERING
                                                                                                                                                       RICE FIELDS
                                                                                                                                                      RURAL AREAS
SOIL SCIENCE
SOIL SERIES
          IRRIGATION ENGINEE
PHOSPHATES
--PLANTS (BOTANY)
SALINE SOILS
--SOIL ANALYSIS
--SOIL BIOLOGY
SOIL CHEMISTRY
SOIL CONSERVATION
                                                                                                                                                       TILLAGE
                                                                                                                                                       VEGETATION
                                                                                                                                       AIR
                                                                                                                                            IR 1 2 3 6 7
BT FLUIDS
          SOIL HORIZONS
SOIL MAPPING
--SOIL MINERALOGY
--SOIL MORPHOLOGY
SOIL PHYSICS
                                                                                                                                                     GASES
COMPRESSED AIR
                                                                                                                                                      ENTRAPPED AIR
                                                                                                                                                   AERATION
          SOIL SALINITY
                                                                                                                                                      AIR ADMISSION
AIR CHAMBERS
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AIR BLAST WAVES (Con.)
BT WAVES
RT AERIAL EXPLOSIONS
AIR BLAST INDUCED GROUND
MOTION
AIR BLAST PREDICTIONS
--AIR BLAST SIMULATORS
BLAST EFFECTS AIR (Con.)
AIR CIRCULATION
AIR CURRENTS
AIR DEMAND AIR-EARTH INTERFACES
AIR ENTRAINMENT (WATER) AIR MASSES
AIR TEMPERATURE
AIR VOID RATIO
AIR-WATER INTERFACES --BLASTING
GROUND SHOCK
GROUND SHOCK WAVES (AIR ATMOSPHERE INDUCED) HEIGHT-OF-BURST
IMPULSIVELY GENERATED WAVES
--NUCLEAR EXPLOSIONS
--SHOCK WAVES BUBBLES NITROGEN OXYGEN PORE AIR PRESSURE use BOATS AIR ACTIVATED PIEZOMETERS AIR BOATS use PNEUMATIC PIEZOMETERS AIR BUBBLE CURTAINS USE BUBBLE SCREENS AIR ADMISSION RT AERATION AIR ENTRAINMENT (WATER) AIR BUBBLES AIR VENTS HYDRAULIC MACHINERY use BUBBLES AIR BURST 2 4
use AIR BLAST WAVES AIR BASES 2 3 4 5 use AIRFIELDS AIR CARGO R CARGO 6
BT CARGO
RT MATERIALS HANDLING AIR BLAST 2 4
use AIR BLAST WAVES AIR BLAST INDUCED GROUND MOTION 2 4 AIR CHAMBERS IR CHAMBERS 1
NOTE: Devices, partially filled
with air, for converting
pulsating flow of water in a
pipeline to steady flow
RT-AIR
AIR DEMAND
AIR TRAPS
BUBBLES
DRUM GATES
--HYDRAULIC GATES
HYDRAULIC GATES
HYDRAULIC TRANSIENTS
--HYDRAULIC VALVES
PRESSURE CONDUITS
PRESSURE TESTS
RECIPROCATING PUMPS
SURGE TANKS BT GROUND MOTION
RT AIR BLAST WAVES
--BLAST EFFECTS
--BLASTING GROUND ROLL GROUND SHOCK GROUND SHOCK WAVES (AIR INDUCED) INDUCED)
GROUNDROLL
--NUCLEAR EXPLOSION EFFECTS
NUCLEAR WEAPONS EFFECTS
OUTRUNNING WAVES
--SEISMIC WAVES
SEISMOGRAPHS SEISMOUNAPHS
SEISMOLOGY
--SHOCK WAVES
SOIL DYNAMICS
SUPERSEISMIC WAVES
TRANSEISMIC WAVES SURGE TANKS WATER HAMMER AIR CIRCULATION BT AIR FLOW FLUID FLOW AIR BLAST OVERPRESSURE USE OVERPRESSURE GAS FLOW RT--AIR AIR CURRENTS AIR MASSES AIR BLAST PREDICTIONS RT AIR BLAST WAVES HEIGHT-OF-BURST CONVECTION COOLING SYSTEMS AIR BLAST PRESSURE 2 4
use AIR BLAST WAVES PANS SQUALLS TURBULENCE
TURBULENT FLOW
VENTILATION
--WIND (METEOROLOGY) AIR BLAST SIMULATORS 4
BT BLAST SIMULATORS
DYNAMIC LOAD SIMULATORS SIMULATORS SIMULATORS

BLAST LOAD GENERATORS
SHOCK TUBES

AIR BLAST WAVES
HIGH EXPLOSIVE SIMULATION
TECHNIQUE (HEST) IR COMPRESSORS 2
BT COMPRESSORS
PNEUMATIC EQUIPMENT
RT COMPRESSED AIR AIR COMPRESSORS AIR CONDITIONERS 6
BT AIR CONDITIONING EQUIPMENT
RT AIR CONDITIONING
COOLERS
COOLING SYSTEMS
--ELECTRIC EQUIPMENT
HEAT PUMPS
ENTREPRICE PATTING MACHINERY AIR BLAST WAVES IR BLAST WAVES 2 4
NOTE: Sharply defined waves of increased pressure rapidly propagated through a surrounding medium from a center of detonation or similar disturbance UF AIR BLAST PRESSURE AIR BLAST PRESSURE REPRIGERATING MACHINERY AIR CONDITIONING 3 6 UF AIR PURIFICATION AIR BURST

MACH REFLECTIONS

AIR CONDITIONING (Con.) AIR-EARTH INTERFACES IR-EARTH INTERFACES 1 7 UF EARTH-AIR INTERFACES BT BOUNDARIES (SURFACES) RT AIR CONDITIONERS COOLING COOLING
COOLING SYSTEMS
DUST CONTROL
ENVIRONMENTAL ENGINEERING
HEAT PUMPS
HEATING
HUMIDITY
HUMIDITY CONTROL INTERFACES RT--AIR AIR CURRENTS
AIR MASSES
AIR-WATER INTERFACES
EARTH SURFACE
ENERGY BALANCE HUMIDITY CONTROL REFRIGERATING -EVAPORATION EVAPOTRANSPIRATION MICROENVIRONMENT -TEMPERATURE TEMPERATURE CONTROL THERMAL INSULATION SHEAR DRAG --SOLAR RADIATION VENTILATION WEATHER FORECASTING AIR CONDITIONING EQUIPMENT
NT AIR CONDITIONERS
HEAT PUMPS AIR ENTRAINED CONCRETES 3
UF SPACING FACTOR (CONCRETES)
BT CONCRETES
RT AIR ENTRAINING AGENTS
AIR ENTRAINING CEMENTS
AIR ENTRAINMENT (CONCRETE)
AIR METERS RT BLOWERS COOLERS COOLING SYSTEMS DIFFUSERS REFRIGERATING MACHINERY AIR CONTENT (CONCRETE) 3
UF CONCRETE AIR CONTENT
RT AIR ENTRAINING AGENTS
AIR ENTRAINING CEMENTS
AIR ENTRAINMENT (CONCRETE) AIR ENTRAINING ADDITIONS
USE AIR ENTRAINING AGENTS AIR ENTRAINING ADMIXTURES 3
use AIR ENTRAINING AGENTS AIR METERS VOIDS (CONCRETE) AIR ENTRAINING AGENTS 3

UF AIR ENTRAINING ADDITIONS

AIR ENTRAINING ADMIXTURES

RT AIR CONTENT (CONCRETE)

AIR DETRAINING AGENTS

AIR ENTRAINED CONCRETES

AIR ENTRAINING CEMENTS

AIR ENTRAINING COMPRETE AIR CURRENTS 1 RT-AIR
AIR CIRCULATION
AIR-EARTH INTERFACES
--ANEMOMETERS -- WIND (METEOROLOGY) AIR ENTRAINMENT (CONCRETE) AIR CUSHION VEHICLES 2 5 NOTE: Vehicles which normally travel within the zone of the ground effect or ground cushion UF ACV BUBBLES -CONCRETE ADMIXTURES DETERGENTS -- FOAMING AGENTS ROSIN SURFACTANTS ACV GEM VEHICLES AIR ENTRAINING CEMENTS 3
BT CEMENTS
HYDRAULIC CEMENTS
PORTLAND CEMENTS
RT AIR CONTENT (CONCRETE)
AIR ENTRAINED CONCRETES
AIR ENTRAINING AGENTS
AIR ENTRAINMENT (CONCRETE)
MASONEY CEMENTS GROUND EFFECT MACHINES HOVERCRAFT HOVERCRAFT
SURFACE EFFECT VEHICLES
AIRCRAFT
FLYING FLATFORMS
MILITARY AIRCRAFT
MILITARY VEHICLES
RECONNAISSANCE VEHICLES MASONRY CEMENTS AIR DEFENSE AIR ENTRAINMENT 1 2 3 5
BT ENTRAINMENT
NT AIR ENTRAINMENT (CONCRETE)
AIR ENTRAINMENT (WATER) RT AIR RAID SHELTERS CIVIL DEFENSE FALLOUT SHELTERS -- NATIONAL DEFENSE ADDITIVES BUBBLES RT AIR DEMAND 1
NOTE: Air required to be drawn
through air vent downstream
from partially opened gate
or valve
RT--AIR
AIR CHAMBERS
AIR VENTS
BUBBLES
CAVITATION AIR ENTRAINMENT (CONCRETE) 3 NOTE: Occlusion of air in the form of minute bubbles during the mixing of concrete or the mixing of concrete or mortar
BT AIR ENTRAINMENT
ENTRAINMENT
RT AIR CONTENT (CONCRETE)
AIR ENTRAINED CONCRETES
AIR ENTRAINING AGENTS
AIR ENTRAINING CEMENTS
CAPILLARITY
PRESH CONCRETES CAVITATION
--CLOSED CONDUITS
--DISCHARGE (WATER) -- DISCHARGE (WATER,
-- FLOW
-- FLUID FLOW
-- FLUID MECHANICS
-- HYDRAULIC GATES
HYDRAULIC VALVES AIR ENTRAINMENT (WATER) 1 7
NOTE: Capture of air bubbles
in water
BT AIR ENTRAINMENT
ENTRAINMENT
RT AERATION --HYDRAULICS TURBULENCE AIR DETRAINING AGENTS 3 RT AIR ENTRAINING AGENTS ~-CONCRETE ADMIXTURES --AIR AIR ADMISSION

AIR ENTRAINMENT (WATER) (Con.) AIR POLLUTION CONTROL R POLLUTION CONTROL
EQUIPMENT 7
RT AFTERBURNERS
AIR POLLUTION
CATALYTIC CONVERTERS
ELECTROSTATIC PRECIPITATORS
--POLLUTION CONTROL AIR VENTS
BUBBLES
DISSOLVED OXYGEN
EMTRAPPED AIR AIR ENTRY VALUES 1 Use BUBBLE PRESSURE -- PRECIPITATORS SCRUBBERS AIR FILTERS 1
BT FILTERS
FLUID FILTERS
RT DUST CONTROL
VENTILATION AIR PURIFICATION use AIR CONDITIONING AIR RAID SHELTERS 3 4
BT PROTECTIVE STRUCTURES IR FLOW 1
BT FLOW
FLUID FLOW
GAS FLOW
NT AIR CIRCULATION
RT--AIR
VENTILATION AIR FLOW SHELTERS AIR DEFENSE CIVIL DEFENSE FALLOUT SHELTERS -- NATIONAL DEFENSE AIR RESISTANCE 6 RT--DRAG FRICTION AIR MASSES NOTE: Widespread body of air with properties that were established while the air was AIR SURCHARGE PRESSURE 5 BT PRESSURE RT SOIL PRESSURE situated over a particular region of the earth's surface region of the earth's surface
and that undergoes specific
modifications while in transit
away from that region
RT--AIR
AIR CIRCULATION
AIR-EARTH INTERFACES
AIR-WATER INTERFACES
ATMOSPHERE AIR TEMPERATURE 1 2 3 5 7
UF ATMOSPHERIC TEMPERATURE
BT METEOROLOGICAL FACTORS
TEMPERATURE RT--AIR --CLIMATOLOGY DEGREE DAYS ATMOSPHERE METEOROLOGY FREEZING INDEX HUMIDITY -STORMS TURBULENCE METEOROLOGICAL DATA METEOROLOGY WEATHER
WEATHER FORECASTING
WEATHER PATTERNS
--WIND (METEOROLOGY) MICROENVIRONMENT SOIL TEMPERATURE WATER TEMPERATURE WEATHER R METERS 3 NOTE: Devices for measuring air content of plastic concrete AIR METERS AIR TRAPS IR TRAPS 1 RT AIR CHAMBERS AIR VENTS or mortar
RT AIR CONTENT (CONCRETE)
AIR ENTRAINED CONCRETES BUBBLES -CLOSED CONDUITS ENTRAPPED AIR AIR PERMEABILITY (CONCRETE) 3
USE GAS PERMEABILITY (CONCRETE) AIR VENTS VENTS 1
DTE: Openings in a penstock
or other conduit, pipeline,
covered tank, or well permitting inflow or outflow of UF ATMOSPHERIC POLLUTION
BT POLLUTION
BT ATMOSPHERIC POLLUTION AIR POLLUTION POLLUTION
AEROSOLS
AIR POLLUTION CONTROL
EQUIPMENT
AIRBORNE WASTES
ATMOSPHERE
CHEMICAL WASTES
COMBUSTION PRODUCTS
CONTAMINANTS
DUST air
RT AERATION
AIR ADMISSION
AIR DEMAND
AIR ENTRAINMENT (WATER) AIR TRAPS ENTRAPPED AIR CONTAMINANTS
DUST
--EMISSIONS
--EXHAUST GASES
FLUE GASES
FLY ASH
FUMES
--INDUSTRIAL WASTES
ODOR CONTROL
ODORS
--PESTICLIES AIR VOID RATIO 2 5 BT MECHANICAL PROPERTIES RATIOS VOID RATIO INITIAL CONSOLIDATION ZERO AIR VOIDS CURVE AIR VOIDS (CONCRETE)
use VOIDS (CONCRETE) -- PESTICIDES POLLEN SMOG SMOKE SMOKE ABATEMENT AIR-WATER INTERFACES IR-WATER INTERFACES 1 7
UF WATER-AIR INTERFACES
BT BOUNDARIES (SURFACES) SOOT TEMPERATURE INVERSIONS LIQUID-GAS INTERFACES
RT--AIR
AIR-EARTH INTERFACES
AIR MASSES -- WASTE DISPOSAL -- WIND (METEOROLOGY)

AIRCRAFT EXHAUST BLAST 2 3 5 use EXHAUST BLAST AIR-WATER INTERFACES (Con.) BUBBLES --DIFFUSION ENTRAPPED AIR --EVAPORATION AIRCRAFT INSTRUMENTS 6
use AERONAUTICAL INSTRUMENTS
AND EQUIPMENT FREE SURFACES
LIQUID-VAPOR INTERFACES
MICROENVIRONMENT AIRCRAFT LANDING AREAS 2 4

NT--AIRFIELDS
HELICOPTER LANDING PADS
HELICOPTER LANDING ZONES
--LANDING FIELDS
--LANDING STRIPS
OVERRUN BLAST AREAS
--BUNNAYS 2 4 5 REAERATION SOIL SURFACES
--SOLAR RADIATION
WEATHER FORECASTING AIR WATER JETS 3
RT CONSTRUCTION JOINTS
HIGH PRESSURE WATER
SAND BLASTING --RUNWAYS SEADROMES RT AERONAUTICS --AIRCRAFT --AIRCHAFT
AIRPORTS
APRONS (AERONAUTICS)
BARE BASE SUPPORT
HELIPORTS
--LANDING MATS
MEMBRANES (AIRFIELDS) AIRBORNE EQUIPMENT MILITARY EQUIPMENT
RADAR EQUIPMENT AIRBORNE WASTES 7 BT WASTES RT AEROSOLS TAXIWAYS AIR POLLUTION COMBUSTION PRODUCTS CONTAMINANTS AIRCRAFT LANDING GEAR 2 5 6 USE LANDING GEAR DUST IRCRAFT LOADS 2 3 5
NOTE: Refers to load of aircraft and not cargo
BT LOADS (FORCES)
RT--AIRCRAFT
APRONS (AERONAUTICS)
FLEXIBLE PAVEMENT DESIGN
(AIRFIELDS)
GROUND FLOTATION
PARKING AREAS
--PAVEMENTS AIRCRAFT LOADS -EMISSIONS --EXHAUST GASES
FLUE GASES
FLY ASH
--INDUSTRIAL WASTES PARTICULATES --REFUSE SMOG SMOKE PARKING AREAS
--PAVEMENTS
RIGID PAVEMENT DESIGN
(AIRFIELDS)
--RUNWAYS
TAXIWAYS
--TRAFFIC LOADS AFT 2 4 5 6
AIRPLANES
COMMERCIAL AIRCRAFT AIRCRAFT PLANES
PLIGHT VEHICLES
AMPHIBIOUS AIRCRAFT
BOMBER AIRCRAFT
CARGO AIRCRAFT
CONVERTIBLE AIRCRAFT
PLYING PLATFORMS
GLIDERS
HELICOPTERS PLANES. AIRCRAFT SHELTERS 2 4 BT PROTECTIVE STRUCTURES SHELTERS RT--AIRCRAFT HANGARS --MILITARY AIRCRAFT NUCLEAR WARFARE DEFENSE REVETMENT (BALLISTIC PROTECTION) HELICOPTERS HYPERSONIC AIRCRAFT HELICOPTERS
HYPERSONIC AIRCRAFT
JET AIRCRAFT
--MILITARY AIRCRAFT
PATROL AIRCRAFT
RECONNAISSANCE AIRCRAFT
RESEARCH AIRCRAFT
ROCKET PLANES
SEAPLANES
SHORT TAKEOFF AND LANDING
AIRCRAFT
SUPERSONIC AIRCRAFT
TRAINING AIRCRAFT
--TRANSPORT AIRCRAFT
UTILITY AIRCRAFT
UTILITY AIRCRAFT
VERTICAL TAKEOFF AND LANDING
AIRCRAFT
RT AERODYNAMICS
--AERONAUTICAL INSTRUMENTS AND
EQUIPMENT
AERONAUTICS
AIR CUSHION VEHICLES
--AIRCRAFT LANDING AREAS
AIRCRAFT LOADS
AIRCRAFT SHELTERS
AIRCRAFT SHELTERS
AIRMOBILE OPERATIONS
BALLOONS
--LANDING GER AIRCRAFT TIRES PNEUMATIC TIRES TIRES CONTACT PRESSURE (VEHICLES)
--LANDING GEAR
TIRE-PAVEMENT INTERACTION AIRFIELD CONE INDEX
use AIRFIELD INDEX AIRFIELD CONE PENETROMETERS CONE PENETROMETERS
PENETROMETERS SOIL STRENGTH TEST INSTRUMENTS RT AIRFIELD INDEX AIRFIELD CONSTRUCTION 2 3 5
BT CONSTRUCTION
RT AIRFIELD DESIGN
AIRPIELD DRAINAGE
AIRPORT CONSTRUCTION
APRONS (AERONAUTICS)
COLD WEATHER CONSTRUCTION
--COMPACTION EQUIPMENT
--CONSTRUCTION CONTROL
--CONSTRUCTION CONTROL BALLOONS
--LANDING GEAR
MULTIPLE WHEEL LANDING GEAR TWIN WHEELS

-- CONSTRUCTION EQUIPMENT

AIRFIELD TRAFFIC (Con.)
CHANNELIZED TRAFFIC TESTS
TRAFFIC DISTRIBUTION
--TRAFFIC LOADS
--TRAFFIC TESTS
TRAFFIC VOLUME (PASSES) AIRFIELD CONSTRUCTION (Con.)
CONSTRUCTION IN PERMAFROST
CONSTRUCTION JOINTS
--EARTH HANDLING EQUIPMENT EARTHWORK EXPEDIENT SURFACINGS LANDING FIELD CONSTRUCTION
LANDING MATS
MEMBRANES (AIRFIELDS)
PARKING AREAS RFIELDS 2 3 4 5
NOTE: Group of facilities
designed for takeoff, landing,
servicing, fueling, and parking
of fixed-wing and rotary-wing -- PAVING --PAVING EQUIPMENT
--ROAD CONSTRUCTION
--ROAD MACHINERY aircraft
UF AIR BASES
BT AIRCRAFT LANDING AREAS
NT UNSURFACED AIRFIELDS -- RUNWAYS SLIP FORMS --SPREADERS AIRPORTS
APRONS (AERONAUTICS)
HELIPORTS TAXIWAYS AIRFIELD DESIGN 2 5
BT DESIGN
RT AIRFIELD CONSTRUCTION
AIRFIELD DRAINAGE
AIRFIELD LIGHTING
AIRFIELD MARKING
AIRFIELD SITE SELECTION
AIRFORT DESIGN -LANDING FIELDS PARKING AREAS -- RUNWAYS TAXIWAYS AIRFOILS 6
UF AEROFOILS
NT ROTARY WINGS GEOMETRIC DESIGN LANDING FIELD DESIGN AIRFRAMES 6 RT--AIRCRAFT LANDING GEAR AIRFIELD DRAINAGE 2 5 DRAINAGE AIRFIELD CONSTRUCTION AIRMOBILE OPERATIONS 5 BT MILITARY OPERATIONS RT--AIRCRAPT BARE BASE SUPPORT AIRFIELD DESIGN AIRFIELD DESIGN
AIRFIELD MAINTENANCE
AIRFIELD SITE SELECTION
AIRPORT DRAINAGE
DRAINAGE STRUCTURES
LANDING FIELD DRAINAGE
ROAD DRAINAGE
SUBSURFACE DRAINAGE
SUBSURFACE DRAINAGE AIROLL VEHICLES 5
BT AMPHIBIOUS VEHICLES
OFF-ROAD VEHICLES
TRACKED VEHICLES
RT--MILITARY VEHICLES SURFACE DRAINAGE AIRFIELD INDEX 5
UF AIRFIELD CONE INDEX
RT AIRFIELD CONE PENETROMETER
CALIFORNIA BEARING RATIO
CONE INDEX
CONE PENETRATION TESTS
--CONE PENETROMETERS
--SOIL STEPHOCTH AIRPHOTO ANALYSIS use AIRPHOTO INTERPRETATION -- SOIL STRENGTH AIRFIELD LIGHTING RFIELD LIGHTING
BT LIGHTING
RT AIRFIELD DESIGN
AIRFIELD MAINTENANCE
LANDING FIELD LIGHTING AIRFIELD MAINTENANCE 2 5 RFIELD MAINTENANCE 2 5
BT MAINTENANCE
RT AIRFIELD DRAINAGE
AIRFIELD LIGHTING
AIRFIELD MARKING
AIRFORT MAINTENANCE
LANDING FIELD MAINTENANCE
PAVEMENT DETERIORATION PHOTOGRAMMETRY TERRAIN ANALYSIS RPLANES 2 4 5 6 AIRPLANES AIRORATION 2 3 5
BT CONSTRUCTION 2 3 5
BT CONSTRUCTION
RT AIRPIELD CONSTRUCTION
AIRPORT DESIGN
AIRPORT DESIGN
AIRPORT DRAIMAGE
APRONS (AERONAUTICS)
COLD WEATHER CONSTRUCTION
--COMPACTION EQUIPMENT
--COMPACTION (SOILS)
--CONSTRUCTION CONTROL
--CONSTRUCTION IN PERMAFROST
CONSTRUCTION IN PERMAFROST
CONSTRUCTION JOINTS
CONSTRUCTION MATERIALS
--EARTH HANDLING EQUIPMENT
EARTHMORK
HANDARS AIRFIELD MARKING 2 5 MARKING
AIRFIELD DESIGN
AIRFIELD MAINTENANCE
LANDING FIELD MARKING AIRFIELD ROUGHNESS use SURFACE ROUGHNESS (PAVEMENTS) AIRPIELD SITE SELECTION BT SITE SELECTION
RT AIRFIELD DESIGN
AIRFIELD DRAINAGE AIRPORT SITE SELECTION LANDING FIELD SITE SELECTION HANGARS HELIPORT CONSTRUCTION

PARKING AREAS

AIRFIELD TRAFFIC 5
BT TRAFFIC
RT ACCELERATED TRAFFIC TESTS

AIRPORT CONSTRUCTION (Con.)
--PAVING EQUIPMENT
--ROAD CONSTRUCTION
--ROAD MACHINERY --RUNWAYS SLIP FORMS --SPREADERS TAXIWAYS

AIRPORT DESIGN 2 5 UF AIRPORT PLANNING BT DESIGN RT AIRFIELD DESIGN AIRPORT CONSTRUCTION
AIRPORT CONSTRUCTION
AIRPORT DRAINAGE
AIRPORT LIGHTING
AIRPORT MARKING
AIRPORT SITE SELECTION
HELIPORT DESIGN

ATRPORT DRAINAGE 2 5 BT DRAINAGE RT AIRFIELD DRAINAGE AIRFIELD DRAINAGE
AIRPORT CONSTRUCTION
AIRPORT DESIGN
AIRPORT MAINTENANCE
AIRPORT SITE SELECTION
HELIPORT DRAINAGE
ROAD DRAINAGE
SUBSURFACE DRAINAGE
SURFACE DRAINAGE

AIRPORT LIGHTING 2 5 RT LIGHTING
RT AIRPORT DESIGN
AIRPORT MAINTENANCE
HELIPORT LIGHTING

AIRPORT MAINTENANCE 2 5 BT MAINTENANCE
RT AIRFIELD MAINTENANCE
AIRPORT DRAINAGE
AIRPORT LIGHTING
AIRPORT MARKING
HELIPORT MAINTENANCE PAVEMENT DETERIORATION

AIRPORT MARKING 2 5 BT MARKING 2 5
BT MARKING
RT AIRPORT DESIGN
AIRPORT MAINTENANCE
HELIPORT MARKING

AIRPORT PLANNING 2 use AIRPORT DESIGN

AIRPORT RUNWAYS 2 5 use RUNWAYS

AIRPORT SITE SELECTION 2 5 BT SITE SELECTION
RT AIRPIELD SITE SELECTION
AIRPORT DESIGN
AIRPORT DRAINAGE HELIPORT SITE SELECTION

AIRPORTS 2 3 5

NOTE: Place, either on land or on water, where aircraft may land to discharge or receive cargoes and passengers, make repairs, or take in fuel RT--AIRCRAFT LANDING AREAS --AIRPIELDS

APRONS (AERONAUTICS)

--CIVIL ENGINEERING HANGARS HANGARS
HELIPORTS
PARKING AREAS
--PAVEMENTS --RADAR TAXIWAYS

AIRSTRIPS use LANDING STRIPS

AIRY WAVES 1
NOTE: Water waves of small amplitude
BT WATER WAVES
WAVES

AKMONS NOTE: Precast concrete armor units BT ARMOR UNITS

ALARMS use WARNING SYSTEMS

ALBEDO 6 RT REFLECTIVITY

ALCOHOLS

ALDEHYDES 3 ALGAE 1 2 7
NOTE: Simplest kind of green
plants, usually growing in
water or damp places
BT PLANTS (BOTANY)
NT--AQUATIC ALGAE
CHLORELLA
--CHLOROPHYTA -- CHRYSO PHYTA CYANOPHYTA DIATOMS DINOFLAGELLATES EUGLENOPHYTA MARINE ALGAE PHAEO PHYTA
-- PYRRO PHYTA -PYROPHYTA
RHODOPHYTA
SESSILE ALGAE
SOIL ALGAE
ALGAL NUTRIENTS
ALGICIDES
AQUATIC BIOLOGY
AQUATIC MICROBIOLOGY
AQUATIC MICROBOLOGY
AQUATIC PLANT CONTROL
AQUATIC PLANTS --BACTERIA CRYTOGAMS CULTURES FUNGI LICHENS MICROORGANISMS PERIPHYTON PESTICIDES PHYTOPLANKTON SCUM SLIME THERMOPHILES

ALGAE BLOOMS use PLANKTON BLOOMS

ALGAL CONTROL 7
BT PEST CONTROL
WEED CONTROL
RT ALGICIDES
--AQUATIC ALGAE
AQUATIC PLANT CONTROL

ALGAL NUTRIENTS BT NUTRIENTS RT--ALGAE -ALGAE ENRICHMENT EUTROPHICATION NUTRIENT REQUIREMENTS

ALGEBRA NT DETERMINANTS EIGENVALUES GALOIS THEORY

ALBEGRA (Con.)
--LINEAR ALGEBRA
LINEAR ALGEBRAIC EQUATIONS
LINEAR TRANSFORMATIONS
--MATRICES (MATHEMATICS)
MATRIX ALGEBRA
NONLINEAR ALGEBRAIC EQUATIONS TENSORS
--THEORY OF EQUATIONS
--THEORY OF GROUPS
VECTORS RT BOOLEAN ALGEBRA
--COORDINATES
--FUNCTIONS (MATHEMATICS) ALGEBRAIC EQUATIONS 6
use THEORY OF EQUATIONS ALGICIDES LGICIDES 1 3 7
NOTE: Chemicals used to kill algae BT PESTICIDES RT--ALGAE ALGAL CONTROL AQUATIC PLANT CONTROL COPPER SULFATE LGORITHMS 1 6
BT MATHEMATICAL LOGIC
RT COMPUTER APPLICATIONS
COMPUTER PROGRAMMING
--COMPUTER PROGRAMS
--NUMERICAL ANALYSIS ALGORITHMS ALIGNMENT 6 RT CORRECTION ALKALI AGGREGATE REACTIONS 3 UF ALKALI SILICA REACTIONS BT CEMENT AGGREGATE REACTIONS CHEMICAL REACTIONS RT--AGGREGATES ALKALI CARBONATE REACTIONS
--ALKALIES CHEMICAL ATTACK
CONCRETE DETERIORATION
--CONCRETE DURABILITY SILICEOUS AGGREGATES ALKALI CARBONATE REACTIONS BT CEMENT AGGREGATE REACTIONS CHEMICAL REACTIONS ALKALI AGGREGATE REACTIONS
--CARBONATE AGGREGATES
CHEMICAL ATTACK ALKALI CONTENT (CEMENT) RT--ALKALIES HIGH ALKALI CEMENTS LOW ALKALI CEMENTS ALKALI RESISTANCE TESTS BT CORROSION TESTS RT ACID RESISTANCE TESTS ALKALI SILICA REACTIONS 3
USE ALKALI AGGREGATE REACTIONS ALKALIES 2 3 7
NT LITHIUM OXIDES
POTASSIUM OXIDES
SODIUM OXIDES SODIUM OXIDES
RT--ACIDS
ALKALI AGGREGATE REACTIONS
ALKALI CONTENT (CEMENT)
ALKALINE SOILS
ALKALINITY
ELECTROLYTES
HIGH ALKALI CEMENTS
--HYDROXIDES

LOW ALKALI CEMENTS

ALKALIES (Con.) --pH TESTS SODIUM HYDROXIDE ALKALINE SOILS 2 5 RT ACID SOILS AGRICULTURAL ENGINEERING AGRICULTURE ALKALIES
--CALCAREOUS SOILS CALCIUM MAGNESIUM
pH TESTS (SOILS)
POTASSIUM
SALINE SOILS BT CHEMICAL PROPERTIES
RT ACIDITY
ALKALED ALKALINITY ALKALIES pH --SOIL PROPERTIES WATER PROPERTIES ALKYD RESINS 2 3 BT RESINS (SYNTHETIC) RT--ADHESIVES HEAT RESISTANT MATERIALS POLYESTER RESINS ALLIGATORWEED BT AQUATIC PLANTS AQUATIC WEEDS PLANTS (BOTANY) WEEDS AQUATIC PLANT CONTROL
--WEED CONTROL ALLOCATIONS NT COST ALLOCATION WATER ALLOCATION RT ACCOUNTING APPROPRIATIONS (FISCAL) BUDGETING ESTIMATES REGULATIONS ALLOPHANES 2
BT CLAY MINERALS
MINERALS
SILICATE MINERALS ALLOWABLE BEARING CAPACITY ALLOWABLE BEARING PRESSURE ALLOWABLE BEARING VALUE ALLOWABLE SOIL PRESSURE PERMISSIBLE SOIL PRESSURE BT BEARING CAPACITY
RT ALLOWABLE LOADS
--FOUNDATION DESIGN SAFETY ALLOWABLE BEARING PRESSURE 2
USE ALLOWABLE BEARING CAPACITY ALLOWABLE BEARING VALUE 2
USE ALLOWABLE BEARING CAPACITY ALLOWABLE LOADS LLOWABLE LOADS 2
UP SAFE LOADS
BT LOADS (FORCES)
RT ALLOWABLE BEARING CAPACITY
ALLOWABLE SETTLEMENT
ALLOWABLE STRESSES (PILES)
--BEARING CAPACITY
FOUNDATION FAILURES
SAFETY FACTOR
STRENGTH OF MATERIALS ALLOWABLE SETTLEMENT BT DEFORMATION

SETTLEMENT RT ALLOWABLE LOADS

ALLOWABLE SETTLEMENT (Con.)
DIFFERENTIAL SETTLEMENT FOOTING ROTATIONS
FOUNDATION FAILURES
--LOAD TESTS (FOUNDATIONS) ALLOWABLE SOIL PRESSURE 2
USE ALLOWABLE BEARING CAPACITY ALLOWABLE STRESSES (PILES) 2
UF PILE ALLOWABLE STRESSES
RT ALLOWABLE LOADS
PILE FOUNDATION DESIGN
PILE SETTLEMENT --PILES ALLOYS 2 3 5 6

NOTE: Metals prepared by adding other metals or non-metals to a basic metal to secure desirable properties

NT ALUMINUM ALLOYS

RT ALUMINUM BORON BORON CHROMIUM -- COMPOSITE MATERIALS COPPER IRON LEAD LITHIUM MAGNESIUM MANGANESE MERCURY --METALLURGY --METALS MOLYBDENUM NICKEL POTASSIUM SELENIUM SILICON SILVER --STEELS STRUCTURAL STEELS TIN TITANIUM TUNGSTEN URANIUM ALLUVIAL CHANNELS 1 use ALLUVIAL STREAMS ALLUVIAL CONES use ALLUVIAL PANS ALLUVIAL DEPOSITS 1 2
use ALLUVIUM ALLUVIAL PANS UF ALLUVIAL CONES
RT ALLUVIAL STREAMS
BRAIDED STREAMS
DELTAIC DEPOSITS -- GRAVELS ALLUVIAL MORPHOLOGY 1 2 GEOLOGY
GEOMORPHOLOGY
PHYSICAL GEOLOGY
ALLUVIAL PLAINS
ALLUVIAL STREAMS
ALLUVIAL VALLEYS --ALLUVIUM --BARS (RIVERINE) DELTAIC PLAINS DELTAS FLOOD PLAINS ALLUVIAL PLAINS 1 2 BT PLAINS
RT ALLUVIAL MORPHOLOGY
ALLUVIAL STREAMS

--ALLUVIUM

ALLUVIAL PLAINS (Con.)

DELTAIC PLAINS
FLOOD PLAINS ALLUVIAL STREAMS 1 2 UF ALLUVIAL CHANNELS BT STREAMS S STREAMS
AGGRADATION
ALLUVIAL PANS
ALLUVIAL MORPHOLOGY
ALLUVIAL VALLEYS
--ALLUVIUM
BRAIDED STREAM DEPOSITS
CHANNEL MORPHOLOGY
DETTAS DELTAS -- FLUVIAL MORPHOLOGY
-- MEANDER BELT DEPOSITS
MEANDERING STREAMS MEANDERS REGIME REGIME THEORY TERRACE DEPOSITS ALLUVIAL VALLEYS 1 2
BT VALLEYS
RT ALLUVIAL MORPHOLOGY
ALLUVIAL STREAMS --ALLUVIUM ALLUVIATION 1 2 ALLUVIUM 1 2 NOTE: Deposit of gravel, sand, silt and/or clay laid down by a river UF ALLUVIAL DEPOSITS ALLUVIAL DEPOSITS
FLOUPLAIN DEPOSITS
FLUVIAL DEPOSITS
FLUVIAL OUTMASH
GEOLOGICAL DEPOSITS
BANNDONED CHANNEL DEPOSITS
BACKSWAMP DEPOSITS BRAIDED STREAM DEPOSITS
DELTAIC DEPOSITS
-MEANDER BELT DEPOSITS
NATURAL LEVEE DEPOSITS POINT BAR DEPOSITS SANDBARS DANDBARS
TERRACE DEPOSITS
ALLUVIAL MORPHOLOGY
ALLUVIAL PLAINS
ALLUVIAL STREAMS
ALLUVIAL VALLEYS
DEPARTS DEBRIS DELTAS DEPOSITION FLOOD PLAINS -GRAVELS RIVERINE TERRACES --SANDS --SEDIMENT --SEDIMENTATION
--SILTS
--SILTY SOILS
SOLETANCHE METHOD (GROUTING) STREAM BEDS UNCONSOLIDATED SOILS ALMANACS 6
NOTE: Includes nautical
almanacs
RT ASTRONOMY
METEOROLOGY ALPHA PARTICLES 2 4 7 NOTE: Positively charged particles emitted by certain radioactive materials
RT ALPHA RAYS
PROTONS
--RADIOACTIVE ISOTOPES RADIOACTIVITY

ALPHA RADIATION 2 4 7 use ALPHA RAYS

ALPHA RAYS 2 4 7
NOTE: Streams of alpha
particles
UF ALPHA RADIATION
BT NUCLEAR RADIATION
RT ALPHA PARTICLES
BETA RAYS
GAMMA RAYS
RADIOACTIVE DECAY
RADIOACTIVITY

ALPINE GLACIATION 2 BT GLACIATION RT--GLACIAL FEATURES

ALPINE REGIONS 7
NOTE: Regions which are above the montane timberline; characterized by the presence of herbs and grass-like plants and low, slow-growing shrubs BT REGIONS

ALTERATION OF FLOW 1
RT FLOW
NATURAL FLOW DOCTRINE
OBSTRUCTION TO FLOW
--STREAM FLOW

ALTERNATING CURRENT 6
BT ELECTRIC CURRENTS
RT DIRECT CURRENT

ALTERNATING LOADS 2 3 4
UF CYCLIC LOADS
BT DYNAMIC LOADS
LOADS (FORCES)
RT MACHINE FOUNDATIONS
REPETITIVE LOADS
TRAFFIC LOADS

ALTERNATIVES 6
use SUBSTITUTES

ALTIMETERS 2 6
NOTE: Instruments that measure
elevation above sea level
BT MEASURING INSTRUMENTS
RT ATMOSPHERIC PRESSURE
--RADAR
SOUND WAVES
WAVE REFLECTION

ALUMINA 3 use ALUMINUM OXIDE

ALUMINATE CEMENTS 2 3

UF ALUMINOUS CEMENTS
CALCIUM ALUMINATE CEMENTS
BT CEMENTS
HYDRAULIC CEMENTS
RT BAUXITE
CALCIUM ALUMINATES
--CALCIUM COMPOUNDS
--EXPANSIVE CEMENTS
HEAT RESISTANT MATERIALS
--REFRACTORIES
REFRACTORY CONCRETES
SULFATE RESISTING CEMENTS

ALUMINATES 2
NOTE: Salts of aluminic acid
BT SALTS
NT CALCIUM ALUMINATES
SODIUM ALUMINATES
BT BAILYIFE

ALUMINOUS CEMENTS 2 3

ALUMINUM 2 3 5 6 BT METALS ALUMINUM (Con.)
RT--ALLOYS
BAUXITE
--COATINGS
--CORROSION
SYNTHETIC RUBIES

ALUMINUM ALLOYS 6
NOTE: Alloys in which
aluminum is the principal
constituent
BT ALLOYS

ALUMINUM HYDROXIDES 3 BT ALUMINUM INORGANIC COMPOUNDS HYDROXIDES

ALUMINUM INORGANIC COMPOUNDS 3
NT ALUMINUM HYDROXIDES
ALUMINUM OXIDE
CALCIUM ALUMINATES
CALCIUM ALUMINOSILICATES
CALCIUM SULFOALUMINATES

ALUMINUM LANDING MATS 2 5 BT LANDING MATS METAL LANDING MATS

ALUMINUM OXIDE 3
UF ALUMINA
BT ALUMINUM INORGANIC COMPOUNDS
OXIDES
RT BAUXITE

ALUMINUM POWDER 3 RT CELLULAR CONCRETES EXPANDING AGENTS --FOAMING AGENTS

AMBIENT CONDITIONS 1 7

AMBIENT TEMPERATURE 1 3 4 5 7 use TEMPERATURE

AMBULANCES 5
BT ROAD VEHICLES
WHEELED VEHICLES
RT--MILITARY VEHICLES
--TRUCKS

AMERICAN ASSOCIATION OF STATE
HIGHWAY OFFICIALS ROAD TEST 2 3 5
USE AASHO ROAD TEST

AMERICAN TURBINES 1
BT HYDRAULIC TURBINES
RT--MIXED-FLOW TURBINES
REACTION TURBINES

AMMETERS 1
NOTE: Instruments for measuring the magnitude of electric current flow
BT MEASURING INSTRUMENTS

AMMONIA 6 7
RT AMMONIFICATION
DENITRIFICATION
NITRIFICATION

AMMONIFICATION 7
NOTE: Production of ammonia in decomposition of nitrogen-containing compounds such as proteins
RT AMMONIA
NITROGEN CYCLE

AMMONIUM COMPOUNDS 3 NT AMMONIUM HYDROXIDE

AMMONIUM HYDROXIDE 3
BT AMMONIUM COMPOUNDS

AMMONIUM HYDROXIDE (Con.)
HYDROXIDES

AMMONIUM NITRATE 2 4
BT NITRATES
SALTS
RT--EXPLOSIVES
NITROGLYCERIN
NITROMETHANE

AMMUNITION 4 6
NT CARTRIDGES (EXPLOSIVES)
--FRAGMENTATION AMMUNITION
FRAGMENTATION BOMBS
GRENADES
HIGH EXPLOSIVE AMMUNITION
--INCENDIARY AMMUNITION
MORTAR AMMUNITION
RT AMMUNITION COMPONENTS
BOMBS (ORDNANCE)
CONVENTIONAL WEAPONS
--EXPLOSIVES
FUZES (ORDNANCE)
GUIDED MISSILES
MINES (ORDNANCE)
--ORDNANCE
PROJECTILES
ROCKETS
SHAPED CHARGES
TRACERS (ORDNANCE)
--WEAPONS

AMMUNITION COMPONENTS
RT--AMMUNITION
BURSTING CHARGES
DETONATORS
FUZES (ORDNANCE)
--PROJECTILES
--PROPELLANTS

AMMUNITION DAMAGE 4
NOTE: Damage caused by
ammunition
BT DAMAGE
RT DEMOLITION
--PENETRATION
--PENETRATION

AMMUNITION FRAGMENTS 4

AMMUNITION INDUSTRY 4
use MUNITIONS INDUSTRY

AMMUNITION STORAGE 3

AMORTIZATION 6

AMPHIBIA 7
UP AMPHIBIANS (ZOOLOGY)
BT VERTEBRATES
RT--AQUATIC ANIMALS

AMPHIBIANS (ZOOLOGY) 7

AMPHIBIOUS AIRCRAFT 2 4 5 6
NOTE: Aircraft designed for
taking off from and landing
on both land and water
UF AMPHIBIOUS PLANES
BT AIRCRAFT
RT AMPHIBIOUS OPERATIONS
--MILITARY AIRCRAFT
SEAPLANES

AMPHIBIOUS OPERATIONS 6
UF AMPHIBIOUS WARPARE
RT AMPHIBIOUS AIRCRAFT
AMPHIBIOUS VEHICLES

AMPHIBIOUS PLANES 6
use AMPHIBIOUS AIRCRAFT

AMPHIBIOUS VEHICLES 5 6
NOTE: Excludes amphibious
aircraft
BT OFF-ROAD VEHICLES
NT AIROLL VEHICLES
BUOYANT SCREW VEHICLES
GOER VEHICLES
AMPHIBIOUS OFFRATIONS
BEACH TRAFFICABILITY
-CARGO VEHICLES
-COMBAT VEHICLES
-LIGHT UTILITY VEHICLES
-MILITARY VEHICLES
PERSONNEL CARRIERS
RECONNAL CARRIERS
RECONNALSSANCE VEHICLES
-SHIPS
TERRASTAR LOCOMOTION CONCEPT
-TRACKED VEHICLES
-TRUCKS
-UNCONVENTIONAL VEHICLES
UNDERWATER VEHICLES
WATER PERFORMANCE
-WHEELED VEHICLES

AMPHIBIOUS WARFARE 6
use AMPHIBIOUS OPERATIONS

AMPHIBOLES 2
BT MINERALS
SILICATE MINERALS
RT ASBESTOS

AMPLIFICATION 1 6
UF AMPLIFYING
RT AMPLIFIERS
FLUIDICS

AMPLIFIERS 6
NOTE: Devices capable of increasing the magnitude or power level of a physical quality that is varying with time, without distorting the wave shape of the quantity RT AMPLIFICATION
---CIRCUITS
--ELECTRONIC EQUIPMENT OSCILLATORS

AMPLIFYING 6
use AMPLIFICATION

AMPLITUDE 1 2 4 5
RT CRITICAL FREQUENCY
DISPLACEMENT
--FREQUENCY
--OSCILLATIONS
VIBRATION THEORY
--VIBRATIONS
VIBRATORY INVESTIGATIONS
WATER WAVELENGTH
WAVEFORMS
--WAVES

AMPLITUDE SPECTRUM (WAVES) 2 3 4 use WAVE SPECTRA

ANDROMOUS FISH 1 7
NOTE: Type of fish that ascend rivers from the sea to spawn
BT AQUATIC ANIMALS FISHES
NT SALMON
RT CATADROMOUS FISH FISH MIGRATION FISH PASSAGES FISHWAYS
--FRESHWAYER FISHES

ANAEROBIC BACTERIA 7
BT BACTERIA
DECOMPOSERS
MICROORGANISMS
PLANTS (BOTANY)
NT PHOTOSYNTHETIC BACTERIA
RT ACTINOMYCETES
ANAEROBIC CONDITIONS

ANAEROBIC BACTERIA (Con.)
--AQUATIC BACTERIA
AQUATIC MICROBIOLOGY
NITROGEN-FIXING BACTERIA
--SEWAGE TREATMENT

ANAEROBIC CONDITIONS 7
RT AEROBIC CONDITIONS
--ANAEROBIC BACTERIA
ANAEROBIC PROCESSES
BIODEGRADATION
FISH KILLS

ANAEROBIC PROCESSES 7
NOTE: Refers to life or processes that occur in the absence of oxygen
RT AEROBIC PROCESSES
--ANAEROBIC BACTERIA
ANAEROBIC CONDITIONS
BIOCHEMICAL OXYGEN DEMAND
BIODEGRADATION
--DIGESTION (DECOMPOSITION)
ODOR CONTROL
--SEWAGE TREATMENT

ANALOG COMPUTERS 1 2 3 4 5 6 7
BT COMPUTERS
DATA PROCESSING EQUIPMENT
RT ANALOG COMPUTERS
ANALOG MODELS
ANALOG TO DIGITAL CONVERTERS
--ANALOGS
COMPUTATION
DIGITAL COMPUTERS
DIGITAL TO ANALOG CONVERTERS
ELECTRIC ANALOGS
HYBRID COMPUTERS
--MODELS
PROCESS CONTROL
SIMULATION
SLIDE RULES

ANALOG DIGITAL COMPUTERS 1 2 3 4 6 7 USE HYBRID COMPUTERS

ANALOG MODELS 1 6
BT MODELS
RT ANALOG COMPUTERS
ANALOG TO DIGITAL CONVERTERS
--ANALOGS
--COMPUTERS
DATA TRANSMISSION SYSTEMS
DIGITAL SYSTEMS
DIGITAL TO ANALOG CONVERTERS
--HYDROLOGIC MODELS
--MATHEMATICAL MODELS
MODEL TESTS

ANALOG SIMULATION 6
BT COMPUTERIZED SIMULATION
MATHEMATICAL MODELS
SIMULATION
RT DIGITAL SIMULATION
HYBRID SIMULATION

ANALOG TO DIGITAL CONVERTERS 1 6
UF DIGITIZERS
RT ANALOG COMPUTERS
ANALOG MODELS
CODING
DATA TRANSMISSION SYSTEMS
DIGITAL COMPUTERS
DIGITAL COMPUTERS
DIGITAL SYSTEMS
DIGITAL SYSTEMS
DIGITAL TO ANALOG CONVERTERS
ELECTRIC ANALOGS
HYBRID COMPUTERS

ANALOGIES 1 2 5 use SIMILITUDE

ANALOGS 1 2 6
NT ELECTRIC ANALOGS
RT ANALOG COMPUTERS

ANALOGS (Con.)

ANALOG MODELS

DATA TRANSMISSION SYSTEMS
HYBRID COMPUTERS
--MATHEMATICAL MODELS
--MODELS
NETWORK ANALYSIS

ANALOGY (ELECTRIC) 1
use ELECTRIC ANALOGS

ANALYSIS 1 2 5 6
NOTE: Use of a more specific
term is recommended; consult
the terms listed below
AIRPHOTO IMTERPRETATION
APPLICATIONS OF MATHEMATICS
BENEFIT COST ANALYSIS
CALCULUS CALCULUS CHEMICAL ANALYSIS COMPUTER ANALYSIS COST ANALYSIS COST ANALYSIS
DETECTION
DIFFERENTIAL EQUATIONS
DIMENSIONAL ANALYSIS
ECONOMIC ANALYSIS
ENVIRONMENTAL ANALYSIS
ERROR ANALYSIS
FINITE DIFFERENCE METHOD
FINITE ELEMENT METHOD
FOURTHER ANALYSIS FINITE ELEMENT METHOD FOURIER ANALYSIS FREQUENCY ANALYSIS GAUSSIAN DISTRIBUTION GRAIN SIZE ANALYSIS GRAPHICAL ANALYSIS GRAPHICAL METHODS HYDROGRAPH ANALYSIS HYDROMETER ANALYSIS MATHEMATICAL ANALYSIS MATRIX ANALYSIS MATRIX ANALYSIS MONTE CARLO METHOD MONTE CARLO METHOD
NOMOGRAPHS
NUMERICAL ANALYSIS
PETROGRAPHIC ANALYSIS
PHOTOINTERPRETATION
REGRESSION ANALYSIS ROCK ANALYSIS SAMPLING SEDIMENT ANALYSIS SETTLEMENT ANALYSIS SIEVE ANALYSIS SOIL ANALYSIS SPECTROGRAPHIC ANALYSIS SPECTROGRAPHIC ANALYSIS
SPECTRUM ANALYSIS
STABILITY ANALYSIS
STATISTICAL ANALYSIS
STRUCTURAL ANALYSIS
STRUCTURAL ANALYSIS
SYNOPTIC ANALYSIS
SYSTEMS ANALYSIS
TENSOR ANALYSIS
TERRAIN ANALYSIS
TESTS
TESTS
TESTS THERMAL ANALYSIS THEMMAL ANALYSIS
TIME SERIES ANALYSIS
VECTOR ANALYSIS
VISCOELASTIC ANALYSIS
WATER ANALYSIS
X RAY ANALYSIS

AMALYTIC GEOMETRY 6
BT EUCLIDEAN GEOMETRY
GEOMETRY
NT TRIGONOMETRY
RT--CALCULUS
DIPPERENTIAL GEOMETRY
PLANE GEOMETRY
PROJECTIVE GEOMETRY
SOLID GEOMETRY

ANALYTICAL CHEMISTRY 1 2 3 5 6 7 use CHEMICAL ANALYSIS CHEMISTRY

```
ANALYTICAL MODELS 1 2 3 4 5 6 7 use MATHEMATICAL MODELS
                                                                           ANCHORS (FASTENERS) (Con.)
NAILS (FASTENERS)
POWDER ACTIVATED FASTENERS
 ANCHOR ADAPTERS
                                                                                   STUDS
   NOTE: Devices used to attach
      earth anchors to the edges
                                                                            ANCHORS (SHIP)
      of landing mat surfaces,
runways or taxiways
                                                                              use SHIP ANCHORS
   UF ANCHOR ATTACHMENTS
BT ANCHORS (FASTENERS)
                                                                           ANCHORS (STRUCTURES)
NT DEAD MAN ANCHORS
FORM ANCHORS
                                                                                                          1 2 3
       ANCHOR BOLTS
                                                                                   ACTIVE EARTH PRESSURE
ANCHOR ATTACHMENTS
use ANCHOR ADAPTERS
                                                                                    ANCHOR PILES
ANCHOR PLATES
                                                                                    ANCHORED BULKHEADS
ANCHOR BEAMS
                                                                                    ANCHORED TOWERS
   use DEAD MAN ANCHORS
                                                                                   ANCHORING
ANCHORS (FASTENERS)
ANCHOR BLOCKS 2
                                                                                    BONDING
   use DEAD MAN ANCHORS
                                                                                 -- BRACINGS
                                                                                   BRIDGE ANCHORAGES
-CONNECTIONS
HOOKED REINFORCEMENT
ANCHOR BOLTS 2 3 5
        BOLTS
        PASTENERS
                                                                                   HORIZONTAL LOADS
   RT ANCHOR ADAPTERS
ANCHORS (FASTENERS)
                                                                                   PIPELAYING
                                                                                   PULL-OUT RESISTANCES AND
        BOLT TESTS
                                                                                      TESTS
      -- CONCRETE DAMS
                                                                                  -- RETAINING WALLS
        FORM ANCHORS
ROCK BOLTS
                                                                                   ROCK BOLTS
                                                                                   TIE RODS
ANCHOR PILES
  UF PILED ANCHORAGE
                                                                               BT EXTRUSIVE ROCKS
        PILES
        ANCHORS (STRUCTURES)
BATTER PILES
        DEAD MAN ANCHORS
                                                                           ANEMOMETERS
                                                                             NEMOMETERS 1 6
BT MEASURING INSTRUMENTS
METEOROLOGICAL INSTRUMENTS
SPEED INDICATORS
        UPLIFT PILES
ANCHOR PLATTES 2 3 5
DT ANCHORS (STRUCTURES)
DEAD MAN ANCHORS
                                                                                  HOT FILM ANEMOMETERS
HOT WIRE ANEMOMETERS
AIR CURRENTS
  NCHOR WALLS 2
RT ANCHORS (STRUCTURES)
DEAD MAM ANCHORS
--SHEET FILES
ANCHOR WALLS
                                                                                   FLOW MEASUREMENT
                                                                                 -- FLOWMETERS
                                                                                   VELOCITY MEASUREMENT
                                                                                   WIND (METEOROLOGY)
WIND VELOCITY
ANCHORED BULKHEADS
                           1 2
  BT BULKHEADS
                                                                           ANGLE OF APPROACH (VEHICLES)
        RETAINING WALLS
                                                                             use APPROACH GEOMETRY
  WALLS
RT--ANCHORS (STRUCTURES)
DEAD MAN ANCHORS
                                                                          ANGLE OF BREAK (VEHICLES)
use VEHICLE ANGLE OF BREAK
        SHEET PILING
        SHEETING
                                                                          ANGLE OF DEPARTURE (VEHICLES)
        SHORE PROTECTION
                                                                             use DEPARTURE GEOMETRY
        TIE RODS
                                                                          ANGLE OF DEPOSITION
ANCHORED TOWERS
                                                                             RT DEPOSITION
       OUYED TOWERS
  UF
                                                                          ANGLE OF EXTERNAL PRICTION USE EXTERNAL PRICTIC!
        ANCHORS (STRUCTURES)
        DEAD MAN ANCHORS
                                                                          ANGLE OF FRICTION 2 3 USE FRICTION COEFFICIENT
ANCHORING 1 2 5
RT--ANCHORS (FASTENERS)
--ANCHORS (STRUCTURES)
                                                                          ANGLE OF INTERNAL PRICTION
                                                                                                                 2 3 4
                                                                             use INTERNAL FRICTION
     -- BRACINGS
        MCORINGS
                                                                          ANGLE OF PITCH (VEHICLES)
use VEHICLE MOTION
       SHIP ANCHORS
TIE RODS
        UPLIFT PRESSURE
                                                                          ANGLE OF REPOSE
                                                                                MECHANICAL PROPERTIES
COHESIONLESS SOILS
ANCHORS (FASTENERS) 2 3 5
BT GASTENERS
                                                                                  CRITICAL SLOPE
INTERNAL FRICTION
        NCHOR ADAPTERS
       ANCHOR BOLTS
                                                                                -- SLOPE STABILITY ANALYSIS
        ANCHORING
                                                                                --SLOPES
     - - ANCHORS (STRUCTURES)
                                                                               --SOIL PROPERTIES --STABILITY
     -- BOLTS
        LANDING MAT CONSTRUCTION
                                                                                  STOCKPILING
     -~LUGS
        MEMBRANE CONSTRUCTION
                                                                          ANGLE OF ROLL (VEHICLES)
USE VEHICLE MOTION
```

ANGLE OF SHEARING RESISTANCE 2 3	
use INTERNAL FRICTION	METALLOGRAPHY STRENGTH OF MATERIALS
ANGLE OF WALL FRICTION 2	TEXTURE
use WALL FRICTION (SOILS)	ANNUAL FLOODS 1
ANGLE OF YAW (VEHICLES) 5	BT FLOODS RT FLOOD PORECASTING
use VEHICLE MOTION	FLOOD FREQUENCIES
ANHYDRITE 2 3 UF CALCIUM SULFATE (ANHYDROUS)	FLOOD HYDROLOGY FLOOD PROTECTION
BT CALCIUM COMPOUNDS	FLOOD ROUTING
CALCIUM SULFATES MINERALS	PEAK RUNOFFRAIN AND RAINFALL
SULFATES RT GYPSUM	RUNOFF RUNOFF FORECASTING
SALT DOMES	STREAMPLOW FORECASTING
SUPERSULFATED CEMENT	WEATHER PORECASTING
ANIMAL BEHAVIOR 7	ANNULAR SHEAR EQUIPMENT 2 BT SHEAR EQUIPMENT
UP ETHOLOGY RT BIORHYTHMS	RT ANNULAR SHEAR TESTS
COMPETITIONENVIRONMENTAL EFFECTS	TORSION SHEAR EQUIPMENT
HABITATS	ANNULAR SHEAR TESTS 2
MIGRATION	BT SHEAR TESTS SOIL TESTS (LABORATORY)
ANIMAL ECOLOGY 7	RT ANNULAR SHEAR EQUIPMENT TORQUE
BT ECOLOGY NT HUMAN ECOLOGY	TORSION
RT LIFE CYCLES	TORSION SHEAR TESTSUNDRAINED SHEAR TESTS
ANIMAL POPULATIONS 7	VANE SHEAR TESTS
NOTE: Group of interacting individuals of the same species	ANODES 2
or smaller TAXA in a common	BT ELECTRODES RT CATHODES
spatial arrangement BT POPULATIONS	CATHODIC PROTECTION
RT~-COMMUNITY	ANOXIA 7
ANIMAL WASTES 7	NOTE: Condition of oxygen
UF BARNYARD WASTES BT WASTES	deficiency as in the tissues of an organism
RT AGRICULTURAL WASTES EXCRETION	UF OXYGEN DEFICIENCY RT NECROSIS
WATER POLLUTION SOURCES	
ANIMALS 7	ANTARCTIC REGIONS 2 5 6 BT ENVIRONMENTS
UF FAUNA	POLAR REGIONS REGIONS
NOTE: Use of a more specific term is recommended; consult	RT ARCTIC REGIONS
the terms listed below AMPHIBIANS	CLIMATIC ANALOGS CLIMATOLOGY
AQUATIC ANIMALS	GEOGRAPHY PERMAFROST REGIONS
BIRDS CARNIVORES	SNOW
FISHES HERBIVORES	SUBARCTIC REGIONS
INSECTS	ANTENNA TOWERS 2 4 BT TOWERS
INVERTEBRATES LARVAE	RTANTENNAS
NEMATODES OMNI VORES	RADAR TOWERS
PLANKTON	ANTENNAS 2 4
PROTOZOA REPTILES	UF AERIALS NT RADAR ANTENNAS
VERTEBRATES	RT ANTENNA TOWERS
WILDLIFE ZOOPLANKTON	TELECOMMUNICATION
ANIONS 7	ANTHRACITE FILTERS 1 BT FILTERS (WATER TREATMENT)
RT CATIONS	
ANISOTROPIC SOILS 2	ANTICLINES 2 BT FOLDS AND FOLDING (DEOLOGY)
RT ANISOTROPY ISOTROPIC SOILS	GEOLOGIC STRUCTURES RT BASINS (GEOLOGY)
	DOMES (GEOLOGY)
ANISOTROPY 2 3 NOTE: Property characterized by	GEANTICLINES GEOSYNCLINES
having different values in	MONOCLINES SYNCLINES
different directions RT ANISOTROPIC SOILS	
CRYSTALL OGRAPHY ISOTROPY	ANTICYCLONES 1 UF HIGH PRESSURE AREAS
MECHANICAL PROPERTIES	RT ATMOSPHERIC PRESSURE

ANTICYCLONES (Con.) APPRAISALS (Con.) ESTIMATES --CYCLONES
--METEOROLOGY --EVALUATION REAL PROPERTY WEATHER PATTERNS ANTISKID DEVICES 5

NT TIRE CHAINS
TIRE LUGS
TIRE STUDS
TIRE TREADS
TRACK GROUSERS
RT NONSKID SURFACES
SKID RESISTANCE APPRECIATION 6 APPROACH ANGLE 5
use APPROACH GEOMETRY APPROACH CHANNELS BT CHANNELS TRACTION BT CHANNELS
RT--CANALS
CONVERGING FLOW
ENTRANCE CHANNELS
HYDROELECTRIC PLANTS
INTAKE CHANNELS
INTAKE TRANSITIONS
--OUTLET WORKS
PUMPING STATIONS
RECTANGULAR WEIRS
SPILLWAY APPROACHES
SPILLWAYS -- TRACTION DEVICES use NONSKID SURFACES 2 3 5 ANTISKID SURFACES ANTITANK MINES 4
BT MINES (ORDNANCE)
RT LAND MINES
MINEFIELDS ANTONYMS 6 -- SPILLWAYS APERIODIC WAVES TRAINING WALLS BT WAVES RT--DAMPING --WEIRS APPROACH GEOMETRY FIGURE 14 COMMETTY 5

NOTE: Interrelated geometrics of vehicle and obstacle angle UF ANGLE OF APPROACH (VEHICLES) APPROACH ANGLE BT GEOMETRY APERTURES RT--ORIFICES APHOTIC ZONE 1 7
NOTE: Lower portion of bodies
of water not reached by light
RT-LAKES
LIGHT PENETRATION
--OCEANS
DESCRIPTION 2005 RT DEPARTURE GEOMETRY HYDROLOGIC GEOMETRY
HYDROLOGIC GEOMETRY FACTORS
LAND-WATER INTERFACE
MICROGEOMETRY PROFUNDAL ZONE --OBSTACLES
--ROUGHNESS APPARATUS (RECORDING) 1 use RECORDING INSTRUMENTS STREAM CROSSINGS --SURFACE GEOMETRY VEHICLE ANGLE OF BREAK APPARENT COHESION (SOILS) BT COMESION RT NEGATIVE PORE PRESSURE APPROPRIATION (WATER RIGHTS) 1 7 USE WATER RIGHTS use BULK DENSITY 2 3 APPROPRIATIONS (FISCAL) 6 RT--ALLOCATIONS BUDGETING APPARENT SPECIFIC GRAVITY 2 3
use SPECIFIC GRAVITY FEDERAL BUDGETS PPLIED MATHEMATICS 1 6
NOTE: Use of a more specific
term is recommended; consult
the terms listed below
COMPLEX VARIABLES
DIFFERENCE EQUATIONS
DIFFERENTIAL EQUATIONS
DIFFERENTIAL GEOMETRY
DIMENSIONAL ANALYSIS
GRAPH THEORY
MATHEMATICAL MODELS
MATHEMATICAL TABLES
MATRIX ALGEBRA
NUMERICAL ANALYSIS
OPERATIONS RESEARCH
PROBABILITY THEORY
REGRESSION ANALYSIS
STATISTICAL ANALYSIS
STOCHASTIC PROCESSES
TENSORS
TIME SEPIES ANALYSIS APPLIED MATHEMATICS 1 APPROXIMATION METHOD PPROXIMATION METHOD 1 6
RT FINITE DIFFERENCE METHOD
FINITE ELEMENT METHOD MONTE CARLO METHOD
--NUMERICAL ANALYSIS RELAXATION METHOD APRONS (AERONAUTICS) 2 3 5
RT AIRCRAFT LANDING AREAS
AIRCRAFT LOADS
AIRFIELD CONSTRUCTION -AIRFIELDS AIRPORT CONSTRUCTION
AIRPORTS
HELIPORT CONSTRUCTION HELIPORT CONSTRUCTION
HELIPORTS
LANDING FIELD CONSTRUCTION
-LANDING MAT CONSTRUCTION
-LANDING MATS
MEMBRANE CONSTRUCTION
MEMBRANES (AIRPIELDS)
PARKING AREAS
PALVENINTS TENSORS TIME SERIES ANALYSIS
TRANSFORMATIONS (MATHEMATICS)
VECTOR ANALYSIS APPLIED MECHANICS 1 2 5 6 -- PAVEMENTS PAVING use MECHANICS -- RUNWAYS TAXIWAYS APPRAISALS 6
NT LAND APPRAISAL
RT ASSESSMENTS APRONS (HYDRAULIC STRUCTURES)

RT ARMORING (STREAMBEDS)

AQUATIC BACTERIA 7
UF FRESHWATER BACTERIA
BT AQUATIC MICROORGANISMS
AQUATIC PLANTS
BACTERIA
MICROORGANISMS
PLANTS (BOTANY)
SESTON
NT MARINE BACTERIA APRONS (HYDRAULIC STRUCTURES) (Con.)
BANK STABILITY
HEADWALLS HEADWORKS --RIPRAP --SPILLWAYS STILLING BASINS AQUACULTURE 7
use AQUICULTURE MARINE BACTERIA AEROBIC BACTERIA -ANAEROBIC BACTERIA AQUATIC ALGAE 7 UF FRESHWATER ALGAE BT ALGAE COLIFORMS LIMNOLOGY NANNOPLANKTON PHYTOPLANKTON -PLANKTON AQUATIC PLANTS PLANTS (BOTANY) PLANTS (BOTANY)

PLANTS (BOTANY)

CYANOPHYTA
MARINE ALGAE
PHAEOPHYTA
TALGAL COMTROL
--AQUATIC BIOLOGY
--AQUATIC MICROORGANISMS
AQUATIC PLANT CONTROL
--AQUATIC WEEDS
BENTHIC FLORA
--BENTHOS WATER POLLUTION SOURCES AQUATIC BIOLOGY IC BIOLOGY
AQUATIC LIFE
HYDROBIOLOGY
AQUATIC MICROBIOLOGY
FRESHWATER BIOLOGY UF MARINE BIOLOGY RT--ALGAE -BENTHOS -- AQUATIC ALGAE -- BENTHOS CHLORELLA DIATOMS BIOMASS --FISHES DINOFLAGELLATES EUTROPHICATION INDICATOR SPECIES INSECT CONTROL LIMNOLOGY NANNOPLANKTON PERIPHYTON --PLANKTON
PRIMARY PRODUCTIVITY
SESSILE ALGAE
WATER POLLUTION SOURCES -- PLANKTON WATER ANALYSIS --WATER CHEMISTRY AQUATIC ENVIRONMENT 1 7
BT ENVIRONMENTS
NT ESTUARINE ENVIRONMENT --WEEDS AQUATIC ANIMALS 1 7
UF AQUATIC LIFE
HYDROPHILIC ANIMALS
NT--ANADROMOUS FISH
--BENTHIC FAUNA LENTIC ENVIRONMENT LOTIC ENVIRONMENT LOTIC ENVIRONMENT AQUATIC HABITATS AQUATIC MICROBIOLOGY BIOLOGY ESTUARIES CATADROMOUS FISH CATFISHES LIGHT PENETRATION
--LIMNOLOGY CLAMS COPEPODS MARINE ECOLOGY MARINE ENVIRONMENT CORAL -- CRUSTACEA --MARSHES SHORES DAPHNIA -FISHES --SURFACE WATERS
--SWAMPS -- FRESHWATER FISHES
-- MARINE ANIMALS
MARINE FISHES TURBIDITY
--WATER CURRENTS
--WATER POLLUTION
WATER PROPERTIES
WATER TEMPERATURE
--WETLANDS MINNOWS --MOLLUSCA NEKTON OYSTERS ROTIFERS ROUGH FISH SALMON --SHELLFISH SHRIMPS AQUATIC HABITATS 1 7 BT HABITATS
RT AQUATIC ENVIRONMENT
BIOMASS
BOGS TROUT ZOOPLANKTON ESTUARIES FARM PONDS RT AMPHIBIA
--AQUATIC MICROORGANISMS FENS GULFS -- BENTHOS --BENTHOS
BIOMASS
--INVERTEBRATES
LIMNOLOGY
MARINE BIOLOGY
MARINE ECOLOGY INTERTIDAL ZONE
--LIMNOLOGY
MARINE ECOLOGY
--MARSHES PONDS --RESERVOIRS NEMATODES PERIPHYTON --SWAMPS TERRESTRIAL HABITATS --PLANKTON --PROTOZOA --WETLANDS WILDLIFE HABITATS -- REPTILES SHORE BIRDS --VERTEBRATES AQUATIC LIFE WILDLIFE USE AQUATIC ANIMALS

AQUATIC PLANTS

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AQUATIC MICROBIOLOGY
BT AQUATIC BIOLOGY
MICROBIOLOGY
                                                                                                                       AQUATIC PLANTS (Con.)
                                                                                                                           RT--ALGAE
--AQUATIC MICROORGANISMS
             AEROBIC BACTERIA
                                                                                                                                   AQUATIC PLANT CONTROL
BENTHOS
          -- ANAEROBIC BACTERIA
                                                                                                                                   BIOMASS
CHLORELL
          --AQUATIC ENVIRONMENT
--AQUATIC MICROORGANISMS
                                                                                                                                   COLIFORMS
CYANOPHYTA
LIMNOLOGY
MARINE BIOLOGY
MARSH PLANTS
WASSELEMENTS
          -- BACTERIA
              BACTERIOLOGY
              BIODEGRADATION
            -FUNGI
              LIMNOLOGY
             MARINE BACTERIA
PHYTOPLANKTON
-SESTON
                                                                                                                                    PHAEOPHYTA
                                                                                                                                    PHREATOPHYTES
                                                                                                                                -- PLANKTON
              WATER ANALYSIS
                                                                                                                                   WEEDS
 AQUATIC MICROORGANISMS
BT MICROORGANISMS
SESTON
NT--AQUATIC BACTERIA
                                                                                                                      AQUATIC WEEDS 1 7
BT AQUATIC PLANTS
PLANTS (BOTANY)
                                                                                                                                    WEEDS
             DIATOMS
DINOFLAGELLATES
MARINE BACTERIA
NANNOPLANKTON
                                                                                                                          NT ALLIGATORWEED
WATER HYACINTHS
RT--AQUATIC ALGAE
TEST CANALS
                                                                                                                          QUEDUCTS 1 2 3 4
BT CONDUITS
RT--CANALS
      RT AEROBIC BACTERIA
                                                                                                                      AQUEDUCTS
         PAEROBIC BACTERIA
--ALGAE
--AQUATIC ALGAE
--AQUATIC ANIMALS
AQUATIC MICROBIOLOGY
--AQUATIC PLANTS
--BACTERIA
--BENTHIC FAUNA
BENTHIC FLORA
DEPUNGS
                                                                                                                              --CLOSED CONDUITS
--CLOSED CONDUITS
--FLUMES (WATER CONVEYANCE STRUCTURES)
INTAKE STRUCTURES
IRRIGATION CANALS
                                                                                                                                   PENSTOCKS
                                                                                                                                   PIPELINES
                                                                                                                               --PIPES
             CHLORELLA
              COLIFORMS
                                                                                                                                   PUMPING STATIONS
          -- CRUSTACEA
                                                                                                                                   SIPHONS
                                                                                                                                   STANDPIPES
              ENTERIC BACTERIA
                                                                                                                               --TUNNELS
              LIMNOLOGY
MARINE ALGAE
                                                                                                                              --WATER
WATER ANALYSIS
              NEMATODES
PATHOGENIC BACTERIA
                                                                                                                                  WATER DISTRIBUTION WATER MAINS
              PHAEOPHYTA
PHYTOPLANKTON
                                                                                                                                  WATER PIPES
WATER RESOURCES
                                                                                                                              --WATER SUPPLY
--WATER TUNNELS
--WATER WELLS
             PLANKTON
PRIMARY PRODUCTIVITY
             -PROTOZOA
WATER POLLUTION SOURCES
                                                                                                                     AQUICLUDES 1
RT--AQUIFERS
          --ZOOPLANKTON
                                                                                                                                 -AQUIFERS
AQUITARDS
ARTESIAN AQUIFERS
ARTESIAN PRESSURE
ARTESIAN WATER
ARTESIAN WATER
ARTESIAN WATER
CONFINED WATER
FLOW NETS
DECLINICATION DARRIES
ADDITED
AQUATIC PLANT CONTROL 1 5 7
BT PEST CONTROL
WEED CONTROL
RT ALGAE
             ALGAL CONTROL
ALGICIDES
         ALLIGATORWEED
--AQUATIC ALGAE
--AQUATIC PLANTS
HERBICIDES
                                                                                                                                 GROUNDWATER BARRIERS
-HYDROLOGIC MODELS
                                                                                                                             IMPERVIOUS SOILS
PERCHED WATER
PERCHED WATER TABLE
--PERMEABILITY
          LASERS
--PESTICIDES
              VEGETATION CLEARING
                                                                                                                             SOIL POROSITY
--SPRINGS (WATER)
AQUATIC PLANTS 1 7
UF AQUATIC LIFE
BT PLANTS (BOTANY)
NT ALLIGATORWEED
--AQUATIC ALGAE
--AQUATIC BACTERIA
--AQUATIC WEEDS
--BENTHIC FLORA
DINOPLAGELLATES
FELGRASS
                                                                                                                    AQUICULTURE
                                                                                                                        NOTE: Production of food from
managed aquatic systems
UF AQUACULTURE
FISH FARMING
                                                                                                                                AGRICULTURE
FARM PONDS
FARMS
              EELGRASS
         MARINE ALGAE
MARINE BACTERIA
--MARINE PLANTS
NANNOPLANKTON
PHYTOPLANKTON
SEA GRASSES
                                                                                                                                 FISH MANAGEMENT
                                                                                                                                 FISHERIES
                                                                                                                             -- FISHES
                                                                                                                             --SHELLFISH
```

WATER HYACINTHS

AQUIFER MODELS BT HYDROLOGIC MODELS MODELS -- GROUNDWATER -- GROUNDWATER FLOW AQUIFER TESTS RT PHREATIC LINES SPECIFIC CAPACITY THEIS EQUATION THIEM EQUATION THIEM TEST AQUIFERS 1 2 7

UF CONFINED AQUIFERS
GROUNDWATER RESERVOIRS
UNCONFINED AQUIFERS
WATER-BEARING PORMATIONS
WATER HORIZONS
NT ARTESIAN AQUIFERS
RT AQUICUDES
ACUITED MODELS AQUIPER MODELS AQUIPER MODELS
ARTESIAN PLOW
ARTESIAN PRESSURE
ARTESIAN WATER
ARTESIAN WELLS
CONFINED WATER
CONJUNCTIVE USE
DIPPERSUNTEN DIFFUSIVITY -- DRAWDOWN --FLOW FLOW NETS FLOW NETS
-GROUNDWATER BARRIER
GROUNDWATER ELEVATION
-GROUNDWATER FLOW
GROUNDWATER PUPOLOGY
GROUNDWATER RECHARGE
-GROUNDWATER SOURCES -HYDROGEOLOGY
-HYDROLOGIC MODELS
NATURAL RECHARGE
PERCHED WATER
PERCHED WATER TABLE PERMEABILITY PERVIOUS SOILS PERVIOUS SOILS
POROUS MEDIA
PUMPING TESTS (WELLS)
RECHARGE WELLS
SALT WATER INTRUSION
SOIL POROSITY
SPECIFIC CAPACITY
SPECIFIC CAPACITY
SPECIFIC TIELD
SPREADING BASINS
-SPRINGS (WATER)
STORAGE COEFFICIENT
SUBSURPACE WATERS SUBSURFACE WATERS THIEM TEST UNDERGROUND STORAGE UNDERGROUND WATER STORAGE WATER PROSPECTING
--WATER SUPPLY
--WATER TABLE
--WATER WELLS AQUITARDS RT AQUICLUDES --AQUIFERS GROUNDWATER BASINS --HYDROLOGIC MODELS POROUS MEDIA ARABLE LAND RABLE LAND 7
NOTE: Land fit for cultivation
BT LAND
NT IRRIGABLE LAND AGRICULTURE IRRIGATION LAND RECLAMATION

ARC WELDING 2 6
BT ELECTRIC WELDING

ARC WELDING (Con.) WELDING RT--ELECTRODES ELECTRON BEAM WELDING ARCH BRIDGES BT BRIDGES 2 3 RT--ARCHES HIGHWAY BRIDGES RAILROAD BRIDGES RIGID FRAME BRIDGES ARCH DAM CONSTRUCTION 1 2 3 CONSTRUCTION DAM CONSTRUCTION DAM CONSTRUCTION

T ARCH DAM DESIGN
ARCH DAM PERFORMANCE
--ARCH DAMS
CONCRETE DAM CONSTRUCTION
CONSTRUCTION JOINTS
FORM ANCHORS
SLIF FORMS ARCH DAM DESIGN 1 2 BT DAM DESIGN DESIGN STRUCTURAL DESIGN 1 2 3 RT ARCH DAM CONSTRUCTION ARCH DAM PERFORMANCE --ARCH DAMS CONCRETE DAM DESIGN ARCH DAM PERFORMANCE 1 2 3 BT DAM PERFORMANCE
RT ARCH DAM CONSTRUCTION
ARCH DAM DESIGN
--ARCH DAMS TE DAM PERFORMANCE RCH DAMS 1 2 3 4

UF CONCRETE ARCH DAMS

DAMS

NT MULTIPLE ARCH DAMS

ARCH DAM CONSTRUCTION

ARCH DAM DESIGN ARCH DAMS ARCH DAM PERFORMANCE -- CONCRETE DAMS MASONRY DAMS ARCHAEOLOGY 2
NOTE: Science which is
concerned with the material
remains of man's past
RT--GEOLOGY HISTORICAL GEOLOGY
--PALEONTOLOGY RADIOCARBON DATING ARCHEOZOIC PERIOD 2 BT PRECAMBRIAN ERA ARCHES BT STRUCTURAL FORMS
NT BURIED ARCHES CONCRETE ARCHES
STEEL ARCHES
STEEL ARCHES
--ARCH BRIDGES
--ARCH DAMS --BUILDINGS
--DOMES (STRUCTURAL PORMS)
--FRAMED STRUCTURES
RIGID FRAMES
--SHELLS (STRUCTURAL PORMS)
--STRUCTURAL MEMBERS
TRUSSER TRUSSES ARCHING IN SOILS 2
UF SOIL ARCHING
RT--EARTH PRESSURE
STRESS CONCENTRATION STRESS DISTRIBUTION

ARCHITECTURAL CONCRETE
BT CONCRETES

ARCHITECTURAL CONCRETE (Com.)
MT--EXPOSED AGGREGATE CONCRETE
RT CONCRETE FINISHES (HARDENED
CONCRETE) DECORATING FACINGS PLASTER PRECAST CONCRETE STUCCO WHITE PORTLAND CEMENTS ACOUSTICS
--BUILDINGS ARCHITECTURE CIVIL ENGINEERING
--COMMERCIAL BUILDINGS
--CONSTRUCTION
CONSTRUCTION METHODS DECORATING LIGHTING -- STRUCTURAL DESIGN -- STRUCTURAL FORMS RCTIC REGIONS 2 5 6 7
BT ENVIRONMENTS
POLAR REGIONS ARCTIC REGIONS REGIONS ANTARCTIC REGIONS CLIMATIC ANALOGS CLIMATOLOGY GEOGRAPHY PERMAPROST PERMAPROST REGIONS SNOW SUBARCTIC REGIONS TUNDRA AREA CAPACITY CURVES 1 BT CURVES
RT DEAD STORAGE
FLOOD ROUTING
GRAPHICAL METHODS
RESERVOIR STORAGE
RESERVOIR SURVEYS -- RESERVOIRS WATER LEVELS AREA GROUTING 1 3 AREA RATIO (SAMPLING) 2 RT SAMPLE DISTURBANCE --SAMPLERS -- SAMPLING SOIL SAMPLING UNDISTURBED SAMPLING ARID LANDS 6 NOTE: Lands which lack sufficient moisture for crop production without irrigation WITHOUT IFFIGME BT LAND RT ARID REGIONS DRY BEDS HALOPHYTES XEROPHYTES ARID REGIONS 2 5 6 BT ENVIRONMENTS REGIONS
ARID LANDS
CLIMATIC ANALOGS
CLIMATOLOGY DESERT DEPOSITS DESERTS DESICCATED SOILS GEOGRAPHY IRRIGATION CANALS SEMIARID REGIONS ARITHMETIC 6
BT THEORY OF NUMBERS
RT CALCULATORS

ARMOR 6 RT--ARMORED VEHICLES

ARMOR UNITS 1
NOTE: Natural or artifiial device used for protecting cover or rubble-mound structures exposed to wave action AKMONS BIPODS COBS CUBES (ARMOR UNITS) DOLOSSE DOMS GASSHO BLOCKS GROBELAAR BLOCKS HEXALEG BLOCKS HEXAPODS HOLLOW SQUARES
HOLLOW TETRAHEDRONS
INTERLOCKING H-BLOCKS
N-SHAPED BLOCKS PELICAN STOOLS QUADRIPODS QUARRYSTONE RECTANGULAR BLOCKS STA-BARS STABILOPODS STABITS STA-PODS SVEE BLOCKS TETRAHEDRONS TETRAPODS TOSKANES TRIBARS TRIGONS TRI-LONGS TRIPODS COMPOSITE BREAKWATERS RUBBLE-MOUND BREAKWATERS WATER WAVE ACTION ARMORED PERSONNEL CARRIERS
use PERSONNEL CARRIERS RMORED VEHICLES 5 6
NOTE: Use of a more specific
term is recommended; consult
the terms listed below
AMPHIBIOUS VEHICLES ARMORED VEHICLES ARMOR COMBAT VEHICLES MILITARY VEHICLES
OFF-ROAD VEHICLES
PERSONNEL CARRIERS
RECONNAISSANCE VEHICLES RECOVERY VEHICLES ROAD VEHICLES SELF PROPELLED ARTILLERY TANKS (COMBAT VEHICLES) TRACKED VEHICLES TRUCKS WEAPON CARRIERS WHEELED VEHICLES ARMORING (STREAMBEDS) AGGRADATION
APRONS (HYDRAULIC
STRUCTURES)
CHANNEL STABILIZATION
-EROSION CONTROL -- LININGS PROTECTIVE COVERINGS --RIPRAP STREAM EROSION ARMY AIRCRAFT 2 4 use MILITARY AIRCRAFT ARRAY CHARGES RT--EXPLOSIVES
ROW CHARGE CRATERING
ROW CHARGES ARROW DIAGRAMS BT DIAGRAMS RT BAR GRAPHS 1 2 3 4 5 6 7

ARROW DIAGRAMS (Con.) CONSTRUCTION CONTROL ARTESIAN WELLS (Con.)
ARTESIAN WATER
CONFINED WATER FLOW CHARTS --GROUNDWATER
--SPRINGS (WATER)
--SUBSURFACE WATERS
--WATER PRESSURE ARROYOS 1 2
NOTE: Small stream channels
or gullies with steep banks,
and dry much of the time
BT CHANNELS
RT CANYONS ARTICULATED CONCRETE MATTRESSES 1 2 3 UF CONCRETE MATTRESSES (ARTICULATED) DRY BEDS EPHEMERAL STREAMS CONCRETE PRODUCTS MATTRESSES GULLIES GULLY EROSION INTERMITTENT STREAMS CONCRETE REVETMENT LUMBER MATTRESSES WILLOW MATTRESSES SEMIARID REGIONS RTICULATED STEERING 5
NOTE: System whereby the
steering forces are generated
by yaw interaction between
two or more units of the
vehicle ARTICULATED STEERING ARTESIAN AQUIFERS 1 2
BT AQUIFERS
RT AQUICUDES
ARTESIAN WATER
ARTESIAN WELLS
COMPINED WATER vehicle. BT STEERING RT ACKERMAN STEERING --GROUNDWATER
--SPRINGS (WATER)
SUBSURFACE WATERS
UNDERGROUND STREAMS --ARTICULATED VEHICLES SKID STEERING ARTICULATED VEHICLES 5
BT OFF-ROAD VEHICLES
NT OVERLAND TRAIN
RT AGRICULTURAL VEHICLES
ARTICULATED STEERING
--CARGO VEHICLES
--PORESTRY VEHICLES
--MILITARY VEHICLES
SKIDDERS (VEHICLES)
--TRACKED VEHICLES
UTILITY CARRIERS
--WHEELED VEHICLES --WATER PRESSURE --WATER WELLS ARTESIAN FLOW 1 2 BT FLOW GROUNDWATER FLOW RT AQUICLUDES --AQUICIODES
--AQUIFERS
ARTESIAN PRESSURE
ARTESIAN WATER
ARTESIAN WELLS
--SPRINGS (WATER) ARTESIAN PRESSURE BT PRESSURE 1 2 PRESSURE
WATER PRESSURE
AQUICLUDES
AQUIFERS
ARTESIAN MATER
ARTESIAN WATER
ARTESIAN WATER
ARTESIAN WATER
CHYDRAULIC GRADIENTS
QUICK CONDITION
GUICK CONDITION ARTIFICIAL BEACHES 1
USE BEACH NOURISHMENT ARTIFICIAL CORUNDUM 2
BT MINERALS
SYNTHETIC MINERALS
RT SYNTHETIC RUBIES ARTIFICIAL FREEZING BT FREEZING RT DEWATERING 1 2 3 5 QUICKSAND SAND BOILS DEWATERING
DRY ICE
PREEZE-THAW TESTS
FROZEN SOILS
LIQUID NITROGEN
NITROGEN
SOIL PREEZING TESTS
SOIL STABILIZATION BY
FREEZING ARTESIAN WATER 1 2 BT GROUNDWATER SUBSURFACE WATERS WATER RT AQUICLUDES C AQUICLUDES

-AQUIFERS

ARTESIAN AQUIFERS

ARTESIAN PLOW

ARTESIAN WELLS

CONFINED WATER

GROUNDWATER DEPLETION

HYDRAULIC GRADIENTS

WINDRAUL MATTER ARTIFICIAL INTELLIGENCE RT ADAPTIVE SYSTEMS AUTOMATA THEORY BIONICS -COMPUTERS HYDRAULIC GRADIENTS
MINERAL WATERS
SAND BOILS
--SPRINGS (WATER)
THEIS EQUATION
THERMAL WATERS
THIEM EQUATION
UNDERGROUND STREAMS
--WATER PRESSURE SELF ORGANIZING SYSTEMS ARTIFICIAL ISLANDS 7
UF ISLANDS (ARTIFICIAL)
RT EARTH FILLS
--SPOIL DISPOSAL -- WASTE DISPOSAL ARTIFICIAL MINERALS 2
use SYNTHETIC MINERALS ARTESIAN WELLS 1 2 BT WATER WELLS WELLS ARTIFICIAL PRECIPITATION WELLS
-AQUICLUDES
--AQUIFERS
ARTESIAN AQUIFERS
ARTESIAN FLOW
ARTESIAN PRESSURE BT PRECIPITATION (METEOROLOGY)
RT CLOUD SEEDING

RAIN AND RAINFALL WEATHER MODIFICATION

ARTIFICIAL RECHARGE 1
NT INDUCED INFILTRATION
RT--FLOW CONTROL
FURROW SYSTEMS
GROUNDWATER RECHARGE
--IRRIGATION WATER --IHRIGATION WATER
NATURAL RECHARGE
SPREADING BASINS
WASTE WATER DISPOSAL
--WATER MANAGEMENT WATER RECLAMATION WATER SPREADING ARTIFICIAL SATELLITES 1 6 use SATELLITES (ARTIFICIAL) ARTIFICIAL SOILS 2 5 use SYNTHETIC SOILS ARTILLERY 2 4 5 6 BT WEAPONS NT ARTILLERY ROCKETS ARTILLERY HOCKETS
HEAVY ARTILLERY
HOWITZERS
LIGHT ARTILLERY
MEDIUM ARTILLERY
SELF PROPELLED ARTILLERY
ARTILLERY FIRE
BOMBARDMENT (ATTACK)
EMPLACEMENTS
ETRING ADDS EMPLACEMENTS
FIRING PADS
FIRING (ORDNANCE)
MORTARS (WEAPONS)
ORDNANCE
PROJECTILES
--WEAPON CARRIERS
WEAPON FOUNDATIONS
WEAPON FRACMENTATION
WEAPON SYSTEMS
--WEAPONS ARTILLERY FIRE 4
UF BARRAGES (ARTILLERY FIRE)
RT--ARTILLERY use WEAPON FOUNDATIONS 2 3 4 ARTILLERY FOUNDATIONS ARTILLERY ROCKETS ARTILLERY BT ROCKETS WEAPONS RT BALLISTIC MISSILES
--MISSILES ARTILLERY SHELLS
use PROJECTILES ASBESTOS 2 3 5 SBESTOS 2 3 5
BT FIBERS
NATURAL FIBERS
AMPHLEOLES
ASBESTOS CEMENT PIPES
-ASBESTOS CEMENT PRODUCTS
HEAT RESISTANT MATERIALS SERPENTINE -SILICATE MINERALS --SILICATES ASBESTOS CEMENT PIPES 1 2 3 5
BT ASBESTOS CEMENT PRODUCTS
CLOSED CONDUITS
CONCRETE PRODUCTS
CONDUITS PIPES ASBESTOS BURIED PIPES
--CONCRETE PIPES
--PIPELINES PRESSURE PIPES ASBESTOS CEMENT PRODUCTS 2 3
BT CONCRETE PRODUCTS
NT ASBESTOS CEMENT PIPES

ASBESTOS CEMENT PRODUCTS (Con.) SBESTOS CEMENT PRODUCTS
RT ASBESTOS
AUTOCLAVED PRODUCTS
AUTOCLAVING
--CONCRETE PIPES SHINGLES ASPHALT BLOCKS 2 5 RT ASPHALT REVETMENT --ASPHALTS BITUMINOUS CEMENTS ASPHALT CEMENTS 1 2 3 5 use BITUMINOUS CEMENTS use BITUMINOUS CONCRETES 5 ASPHALT CONCRETES ASPHALT CURB MACHINES 2 5
BT ASPHALT PAVING MACHINES
CONSTRUCTION EQUIPMENT
PAVING EQUIPMENT
PAVING EQUIPMENT (BITUMINOUS)
ROAD MACHINERY
RT CURBS FLEXIBLE PAVEMENT CONSTRUCTION ASPHALT DETERIORATION 2 5
BT DETERIORATION
RT--ASPHALTS
PAVEMENT DETERIORATION ASPHALT DISTRIBUTORS 2 5
BT ASPHALT PAVING MACHINES
CONSTRUCTION EQUIPMENT
PAVING EQUIPMENT
PAVING EQUIPMENT (BITUMINOUS)
ROAD MACHINERY FLEXIBLE PAVEMENT CONSTRUCTION -- ROAD CONSTRUCTION ASPHALT EMULSIONS BT EMULSIONS RT--ASPHALTS PETROLEUM ASPHALT GROUTING 2 3 BT GROUTING
RT ASPHALT GROUTS
BITUMINOUS SOIL STABILIZATION -- CHEMICAL GROUTING ASPHALT GROUTS 2 3
BT GROUTS
RT ASPHALT GROUTING
--ASPHALTS
--CHEMICAL GROUTS ASPHALT JOINT FILLERS 2 5 BT FILLERS JOINT FILLERS RT--ASPHALTS ASPHALT LININGS BT LININGS RT ASPHALT REVETMENT --ASPHALTS CANAL LININGS ASPHALT MEMBRANES BT MEMBRANES RT--LINED CANALS ASPHALT MIX DESIGN BT DESIGN RT--ASPHALTS FLEXIBLE PAVEMENT DESIGN (AIRFIELDS)
FLEXIBLE PAVEMENT DESIGN (HIGHWAYS)
FLOW TESTS (BITUMINOUS
MATERIALS)

ASPHALTS (Con.)
ASPHALT MULCH
ASPHALT OVERLAYS
ASPHALT PAINT
ASPHALT PANELS
ASPHALT PLANTS
ASPHALT PLANTS
ASPHALT TESTS ASPHALT MULCH BT MULCHES RT--ASPHALTS ASPHALT OVERLAYS 2 5 BT OVERLAYS (PAVEMENTS) RT--ASPHALTS ASPHALT TESTS
BITUMINOUS CONCRETES
--FLEXIBLE PAVEMENTS
--GEOLOGICAL DEPOSITS ASPHALT PAINT 2 5
BT COATINGS
PAINTS
RT ASPHALT PRIMER
--ASPHALTS -- JOINT SEALERS
-- LININGS -- MASTICS
-- PROTECTIVE COATINGS
PROTECTIVE COATINGS (LANDING MATS) LIQUID ASPHALT ASPHALT PANELS 2 NOTE: Prefabricated asphalt MATS)
PROTECTIVE COATINGS
(MEMBRANES)
ROAD MATERIALS
SEAL COATS lining commonly used for waterproofing reservoirs, channels, etc.
ASPHALT REVELMENT
--ASPHALTS RT SEALING COMPOUNDS --LININGS --TARS --WATERPROOFING WATERSTOPS ASPHALT PAVEMENTS 2 3 4 5
USE PLEXIBLE PAVEMENTS ASSESSMENTS 6 RT--APPRAISALS LAND APPRAISAL REAL PROPERTY ASPHALT PAVING MACHINES 2 5
BT CONSTRUCTION EQUIPMENT
PAVING EQUIPMENT (BITUMINOUS)
ROAD MACHINERY
NT ASPHALT CURB MACHINES
ASPHALT DISTRIBUTORS
RT PLEXIBLE PAVEMENT CONSTRUCTION
PLEXIBLE PAVEMENT MAINTENANCE
STEEL WHEEL ROLLERS -VALUE SSIMILATION 7
NOTE: Synthesis of protoplasm
and other complex substances
by organisms
RT--ABSORPTION
DISPERSION ASSIMILATION ASSOCIATION 7
NOTE: Ecological unit of more than one species
RT AUTECOLOGY
FORESTS ASPHALT PLANTS 2 3 5
UF BATCH PLANTS (ASPHALT)
CONTINUOUS MIX PLANTS (ASPHALT)
BT PLANTS (MATERIAL MIXING) GRASSLANDS --HABITATS -ASPHALTS
PLEXIBLE PAVEMENT CONSTRUCTION PIONEER COMMUNITY ASPHALT PRIMER ASTRODYNAMICS 6
RT ASTRONAUTICS
SPACE EXPLORATION
SPACE FLIGHT RT ACID RESISTANCE ASPHALT PAINT --ASPHALTS --ASPHALTS
--CORROSION PREVENTION
LIQUID ASPHALT
--PROTECTIVE COATINGS
PROTECTIVE COATINGS (LANDING -SPACE VEHICLES ASTRONAUTICS 6
RT AEROSPACE ENGINEERING
AEROSPACE ENVIRONMENT
ASTRODYNAMICS MATS) PROTECTIVE COATINGS (MEMBRANES)
--WATERPROOFING SPACE EXPLORATION
SPACE FLIGHT
SPACE SCIENCES
--SPACE VEHICLES ASPHALT REVETMENT 1 2 BT REVETMENT RT ASPHALT BLOCKS ASPHALT LININGS ASPHALT PANELS ASTRONOMY COMMICS
COSMOLOGY
RADIO ASTRONOMY
--SOLAR RADIATION
SOLAR SPECTRUM
SPACE SCIENCES SOIL ASPHALT ASPHALT SOIL STABILIZATION 2 5
USE BITUMINOUS SOIL STABILIZATION ASPHALT TESTS 2 5 RT--ASPHALTS SUN SUNLIGHT ASPHALTS 1 2 3 5
BT BITUMENS
ORGANIC DEPOSITS
NT LIQUID ASPHALT
SOIL ASPHALT
RT ASPHALT BLOCKS
ASPHALT DETERIORATION
ASPHALT EMULSIONS
ASPHALT GROUTS
ASPHALT LININGS
ASPHALT LININGS
ASPHALT MIX DESIGN -- TELESCOPES AT-REST EARTH PRESSURE BT EARTH PRESSURE PRESSURE ACTIVE EARTH PRESSURE PASSIVE EARTH PRESSURE ATLASES 5 6 ROAD MAPS WORLD MAPS

BT NATURAL RESOURCES
RT-AIR ATMOSPHERE ATOMIC BONDS 2 TOMIC BONDS 2
NOTE: Includes ionic, covalent,
hydrogen bonds and Van der
Waals' forces
RT CLAY MINERALOGY
CLAY STRUCTURE AIR MASSES AIR POLLUTION ATMOSPHERIC PRESSURE CLIMATIC CHANGES CRYSTALLOGRAPHY -CLIMATOLOGY --MINERALOGY CLOUDS CONVECTION --ENVIRONMENTS ATOMIC DEMOLITION MUNITIONS UF ADM
BT MUNITIONS
RT DEMOLITION CHARGES --GASES
HYDROLOGIC CYCLE HYGROMETRY METEOROLOGICAL DATA METEOROLOGICAL RADAR
--METEOROLOGY ATOMIC DEMOLITION MUNITIONS STORAGE 3 4
BT MUNITIONS STORAGE
RT-BOMBS (ORDNANCE)
DEMOLITION CHARGES -- PRECIPITATION (METEOROLOGY) --STORMS VAPOR PRESSURE WATER VAPOR --MISSILES
--MUNITIONS ATMOSPHERIC DENSITY -- ORDNANCE BT DENSITY (MASS/VOLUME) RT HUMIDITY --WARHEADS WEATHER FORECASTING ATOMIC ENERGY use NUCLEAR ENERGY ATMOSPHERIC DIFFUSION BT DIFFUSION ATOMIC EXPLOSIONS 2 3
use NUCLEAR EXPLOSIONS ATMOSPHERIC PHYSICS RT ATMOSPHERIC PRESSURE --METEOROLOGY ATOMIC PLANTS 2 3 4 7
use NUCLEAR POWER PLANTS ATMOSPHERIC POLLUTION USE AIR POLLUTION ATOMIC POWER PLANTS 6
use NUCLEAR POWER PLANTS ATMOSPHERIC PRECIPITATION 1 7
use PRECIPITATION (METEOROLOGY) ATOMIC REACTOR CONTAINMENT USE NUCLEAR REACTOR CONTAINMENT ATMOSPHERIC PRESSURE 1 2 6 UF BAROMETRIC PRESSURE BT PRESSURE ATOMIC REACTORS 2 3 use NUCLEAR REACTORS ALTIMETERS ANTICYCLONES ATOMIC SPECTROSCOPY BT SPECTROSCOPY RT EMISSION SPECTROSCOPY ATMOSPHERE ATMOSPHERIC PHYSICS -- SPECTROSCOPIC ANALYSIS
ULTRAVIOLET SPECTROSCOPY BAROMETERS --CYCLONES X RAY SPECTROSCOPY HURRICANES ISOBARS (PRESSURE)
-METEOROLOGY
NEGATIVE PRESSURE ATOMIC WARFARE 4
use NUCLEAR WARFARE ATOMS RT ELECTRONS ATMOSPHERIC PRESSURE STEAM CURING
UF LOW PRESSURE STEAM CURING
BT CONCRETE CURING -- ISOTOPES NEUTRONS NUCLEAR ENGINEERING
-NUCLEAR EXPLOSIONS
NUCLEAR PHYSICS CURING STEAM CURING AUTOCLAVING PROTONS SOLID STATE PHYSICS ATMOSPHERIC TEMPERATURE 1 2 5 7 use AIR TEMPERATURE ATTACK BOMBERS 2 4 use BOMBER AIRCRAFT ATOLLS NOTE: Coral reefs of circular, elliptical or horse-shoe shape, enclosing a lagoon BT CORAL REEFS AND ISLANDS ATTAPULGITE CLAY MINERALS
MINERALS
SILICATE MINERALS ISLANDS (LANDFORMS) REEFS TOPOGRAPHIC FEATURES BIOHERMS ATTENUATION 6
NT WAVE ATTENUATION
RT--DIFFRACTION -- CALCAREOUS ROCKS CORAL ATTENUATORS 1 RT BAFFLE PIERS BAFFLE PLATES LAGOONS (LANDFORMS) OCEANS BAFFLES ATOMIC BOMBS 4
use FISSION WEAPONS DEFLECTORS WATER WAVE ATTENUATION

ATTERBERG LIMITS 2 5 UF CONSISTENCY LIMITS

ATTERBERG LIMITS (Con.)
BT MECHANICAL PROPERTIES
SOIL PROPERTIES
SURFACE COMPOSITION FACTORS

PACTORS

NT LIQUID LIMIT

PLASTIC LIMIT

SHRINKAGE LIMIT STICKY LIMIT
RT--ATTERBERG LIMITS TESTS --CLAYEY SOILS --CLAYS
--COHESIVE SOILS
CONSISTENCY (SOILS)
LIQUIDITY INDEX
FLASTICITY INDEX
RELATIVE CONSISTENCY (SOILS)
--SOIL CLASSIFICATION
--WATER CONTENT (SOILS) --CLAYS ATTERBERG LIMITS TESTS BT INDEX TESTS
SOIL TESTS (LABORATORY)
NT--LIQUID LIMIT TESTS ONE POINT LIQUID LIMIT TESTS TESTS
PLASTIC LIMIT TESTS
SHRINKAGE LIMIT TESTS
STICKY LIMIT TESTS
STICKY LIMIT TESTS
RT--ATTERBERG LIMITS
LABORATORY WATER CONTENT
DETERMINATION LIQUID LIMIT
PLASTIC LIMIT
PLASTICITY INDEX
SHRINKAGE LIMIT STICKY LIMIT
--WATER CONTENT DETERMINATION TRACTANTS 7
NOTE: Chemical or agent that
lures insects or other pests
by olfactory stimulation
RT INSECT COMTROL ATTRACTANTS ODORS -- PEST CONTROL -- PESTICIDES ATTRITION NOTE: Wearing or grinding down by friction RT--COMMINUTION GRINDING (COMMINUTION) AUDITING RT ACCOUNTING COST OVERRUNS AUDITORIUMS BT BUILDINGS RT--RECREATIONAL FACILITIES SCHOOL BUILDINGS THEATERS AUFWUCHS USE PERIPHYTON AUGER BORING BT BORING RT--AUGERS BOREHOLES -- COHESIVE SOILS RECONNAISSANCE SURVEYS REMOLDED SOIL SAMPLES SOIL SAMPLING TEST HOLES AUGER CORE BARRELS 2 BT CORE BORING SAMPLERS COME BORING SAMPLERS
SAMPLERS
SOIL CORE BARRELS
SOIL SAMPLERS
HAND AUGERS
SURFACE AND CONTROL SAMPLING
SURFACE SAMPLERS (SOILS)

AUGERED CONCRETE PILES 2 3 BT BORED PILES CAST-IN-PLACE PILES CONCRETE PILES CONCRETE PRODUCTS PILES UNCASED PILES FRANKI PILES (UNCASED) WESTERN PILES (UNCASED) AUGERS EXPLORATION SAMPLERS SAMPLERS SAMPLERS
SOIL SAMPLERS
BARREL AUGERS
BUCKET AUGERS
CONTINUOUS FLIGHT AUGERS HAND AUGERS
HELICAL AUGERS
-POWER AUGERS
AUGER BORING BOREHOLES DISPLACEMENT SAMPLERS DOUBLE TUBE AUGER SAMPLERS AUGMENTATION (FLOW) 1 use FLOW AUGMENTATION AUTECOLOGY NOTE: Study of the individual, or members of a species considered collectively, in relation to environmental conditions
BT ECOLOGY
RT ASSOCIATION
--BIOLOGICAL COMMUNITIES AUTOCLAVE TESTS 3 BT PORTLAND CEMENT PHYSICAL TESTS AUTOCLAVES SOUNDNESS (CEMENT) AUTOCLAVED PRODUCTS BT CONCRETE PRODUCTS
RT ASBESTOS CEMENT PRODUCTS CONCRETE BLOCKS CONCRETE PIPES AUTOCLAVES 3 RT AUTOCLAVE TESTS AUTOCLAVING PRESSURE VESSELS AUTOCLAVING 3

UF HIGH PRESSURE STEAM CURING
RT ASBESTOS CEMENT PRODUCTS
ATMOSPHERIC PRESSURE STEAM
CURING AUTOCLAVES
--CONCRETE CURING --CURING
HYDROTHERMAL REACTIONS LEACHING (CONCRETE)
MOLDING TECHNIQUES
PRESSURE VESSELS
SILICA FLOUR -- STEAM CURING AUTOGENEOUS HEALING 3
NOTE: Process of closing and filling cracks in concrete or mortar when the concrete or mortar is kept damp
RT--CONCRETE CRACKING AUTOMATA THEORY RT ADAPTIVE SYSTEMS
ARTIFICIAL INTELLIGENCE

AUTOMATION BIONICS COMPUTERS AUTOMATA THEORY (Con.)
CYBERNETICS INFORMATION THEORY
--MATHEMATICAL LOGIC SELF ORGANIZING SYSTEMS SWITCHING THEORY

AUTOMATED PENETROMETERS BT PENETROMETERS SOIL STRENGTH TEST INSTRUMENTS RT--AERIAL PENETROMETERS
--CONE FENETROMETERS
--TRAFFICABILITY TEST INSTRUMENTS

AUTOMATIC CONTROL 1 2 3 4 5 6 7
NT FEEDBACK CONTROL
RT ADAPTIVE SYSTEMS
AUTOMATION -- COMPUTERS --CONTROL EQUIPMENT CONTROL THEORY -- ELECTRONIC EQUIPMENT -ELECTRONIC EQUIPMENT
FLOAT WELLS
-FLOW CONTROL
HUMIDITY CONTROL
LIQUID LEVEL CONTROL
NUMERICAL CONTROL
-OCEANOGRAPHIC INSTRUMENTS
PNEUMATIC CONTROL
DOTTRONIC OFFICE POTENTIOMETERS PRESSURE CONTROL

PROCESS CONTROL
--RECORDING INSTRUMENTS REMOTE CONTROL
--SERVOMECHANISMS SPEED CONTROL SPEED REGULATORS REMOTE CONTROL TEMPERATURE CONTROL TRANSDUCERS

AUTOMATIC DATA PROCESSING USE DATA PROCESSING 1234567

AUTOMATIC PROGRAMMING 6
use COMPILERS (COMPUTERS)

AUTOMATIC SPILLWAYS 1 BT SPILLWAYS

AUTOMATION

TTOMATION 1 2 3 4 5 6 7 RT ADAPTIVE SYSTEMS ANALOG COMPUTERS AUTOMATA THEORY
--AUTOMATIC CONTROL --COMPUTERS
--CONTROL EQUIPMENT
CONTROL THEORY
CYBERNETICS DATA PROCESSING DATA TRANSMISSION ELECTRICAL ENGINEERING FEEDBACK HYBRID COMPUTERS INDUSTRIAL ENGINEERING INFORMATION SYSTEMS INFORMATION THEORY MACHINE TRANSLATING MAN MACHINE SYSTEMS -MEASUREMENT MECHANICAL ENGINEERING NUMERICAL CONTROL PROCESS CONTROL

RECORDING INSTRUMENTS REMOTE CONTROL -- SERVOMECHANISMS

STILLING WELLS SYNOPTIC ANALYSIS SYSTEMS ENGINEERING AUTOMOBILES TOMOBILES 6 RT MILITARY VEHICLES

AUTOMOTIVE ENGINEERING RT AUTOMOTIVE INDUSTRY MECHANICAL ENGINEERING AUTOMOTIVE FUELS

AUTOMOTIVE INDUSTRY 5
RT AUTOMOTIVE ENGINEERING

AUTOTROPHIC ORGANISMS 7
NOTE: Organisms which are capable of producing organic substances from inorganic materials by means of energy received from outside of the organisms PHOTOSYNTHESIS PHOTOTROPHIC ORGANISMS PRIMARY PRODUCTIVITY

AVALANCHES UF SNOWSLIDES RT--DAMAGE DEBRIS DISASTERS --ICE LANDSLIDE DAMS -- LANDSLIDES -- MASS WASTING SLOPE STABILITY

AVERAGE FLOW BT FLOW RT LOW FLOW -- STREAM FLOW

AVIATION 2 4 use AERONAUTICS

AVIATION FUELS BT FUELS RT--FUEL SPILLAGE (PAVEMENTS) GASOLINE JET FUEL SPILLAGE (PAVEMENTS)

AVULSION 1
NOTE: Sudden change in course of a stream by which a portion of land is cut off RT BANK EROSION -- FLOODS MEANDERING STREAMS

AXIAL FLOW BT FLOW RT--FLUID FLOW -- PUMPS --TURBINES

AXIAL FLOW PUMPS 1
use PROPELLER PUMPS

AXIAL FLOW TURBINES 1
UF JONVAL TURBINES
BT HYDRAULIC TURBINES TURBINES TURBOMACHINERY KAPLAN TURBINES PROPELLER TURBINES

AXIAL LOADS 3 4 BT LOADS (FORCES)

AXIAL STRAIN STRAINS AXIAL STRESS DEVIATOR STRAIN NORMAL STRAIN STRAIN RATE STRESS-STRAIN CURVES VOLUMETRIC STRAIN

XIAL STRESS 1 2 3 4
BT STRESSES
RT AXIAL STRAIN
DEVIATOR STRESS
STRESS-STRAIN CURVES AXIAL STRESS

B HORIZONS 2 use SOIL HORIZONS CK PRESSURE 1 2 NOTE: Artificial increase of BACK PRESSURE NOTE: Artificial increase of
the pore water pressure which
will increase the degree of
saturation of a specimen by
forcing pockets of air into
solution in the pore water
BT PRESSURE
RT BACK PRESSURE SATURATION
CONSOLIDATION TESTS WITH
BACK PRESSURE
- HYDRAULIC VALVES
PERMEABILITY TESTS WITH
BACK PRESSURE
PORE WATER PRESSURE
- TRIAXIAL SHEAR TESTS BACK PRESSURE SATURATION BT SATURATION (SOILS) RT BACK PRESSURE 1 2 CONSOLIDATION TESTS WITH BACK PRESSURE PERMEABILITY TESTS WITH BACK PRESSURE PORE WATER PRESSURE -- TRIAXIAL SHEAR TESTS BACKFILL SEEPAGE BT SEEPAGE RT BACKFILLS CRITICAL GRADIENTS BACKFILLING 1 2 3 4 7 use BACKFILLS BACKFILLS 1 2 3 4 7
NOTE: Material used to refill a
ditch or other excavation
UF BACKFILLING UF BACKFILLING BT FILLS RT BACKFILL SEEPAGE COMPACTED FILLS
EARTH FILLS
EARTHWORK -- EXCAVATION -- FOUNDATIONS
HAND TAMPERS (COMPACTION) PIPELAYING PT PELINES - RETAINING WALLS SOIL LOADING ON PIPES, CON-DUITS, ETC. TAMPING -- TRENCHES

BACKGROUND RADIATION 7
NOTE: Normal radiation present
in the lower atmosphere from
cosmic rays and from earth
sources
BT RADIATION
RT-RADIOACTIVE ISOTOPES
RADIOECOLOGY

BACKHOES 2 5
BT CONSTRUCTION EQUIPMENT
EARTH HANDLING EQUIPMENT
EXCAVATORS
BT CLAMSHELLS
DRAGLINES
- DREDGES
TRENCHING MACHINES

TRENCHING MACHINES
WHEEL EXCAVATORS

BACKPACKING MATERIALS 2 3 4
RT CELLULAR CONCRETES
SHOCK ABSORPTION
SHOCK ISOLATION

BACKSCATTERING 4

BACKSWAMP DEPOSITS 1 2
BT ALLUVIUM
GEOLOGICAL DEPOSITS
MEANDER BELT DEPOSITS T ABANDONED CHANNEL DEPOSITS -- CLAYS -- COHESIVE SOILS FLOOD PLAINS -- MARSHES NATURAL LEVEE DEPOSITS
-- ORGANIC SOILS POINT- BAR DEPOSITS SWAMPS BACKWATER 1 7 RT BACKWATER PROFILES CONVERGING FLOW -- DAMS -- FLOODS FLOW PROFILES
RESERVOIR SURVEYS
-- RESERVOIRS -- SEWERS -- STREAMS TRIBUTARIES WATER LEVELS -- WATER SURFACE PROFILES BACKWATER COMPUTATION 1
use BACKWATER PROFILES

BACKWATER CURVE 1 use BACKWATER PROFILES

BACKWATER PROFILES 1
NOTE: Study of nonuniform flow
UF BACKWATER COMPUTATION
BACKWATER CURVES
BT PROFILES
WATER SURFACE PROFILES
RT BACKWATER
CONTROL STRUCTURES
DESIGN PLOW
ENERGY GRADIENTS
FLOW CONTROL
FLOW PROFILES
HYDRAULIC GRADIENTS
HYDRAULIC JUMP
NONUNIFORM FLOW
OPEN CHANNEL FLOW
- RESERVOIRS
RIVER REGULATION
-- RIVERS
SPILLWAY CAPACITY
SPILLWAY CAPACITY
SPILLWAY DESIGN FLOOD
STREAM FLOW
STREAMFLOW REGULATION

WATER SURFACE

BACTERIA 2 3 7
NT ACTINOMYCETES
AEROBIC BACTERIA
-- ANAEROBIC BACTERIA
-- AQUATIC BACTERIA
COLIFORMS
-- DECOMPOSERS
ENTERIC BACTERIA
IRON BACTERIA
MARINE BACTERIA
MYXOBACTERATES
NITROGEN FIXING BACTERIA
PHOTOSYNTHETIC BACTERIA
PHOTOSYNTHETIC BACTERIA
SOIL BACTERIA
RT-- ALGAE
AQUATIC MICROBIOLOGY
-- AQUATIC MICROORGANISMS
BACTERICIDES

BACTERIOLOGY
- BIOLOGY
- FUNGI
- MICROBIOLOGY
- MICROORGANISMS
SPORES
THERMOPHILES

BACTERICIDES 3 7
NOTE: Substance capable of killing bacteria
BT POISONS
RT-BACTERIA BALANCE OF NATURE 7
UF ECOLOGICAL BALANCE
RT BIOLOGY
CYCLING NUTRIENTS -- ECOLOGY -- ECOSYSTEMS -- PESTICIDES -- ECOSYSTEMS
ENDANGERED SPECIES
ENERGY BALANCE
-- ENERGY BUDGET
-- ENVIRONMENTAL EFFECTS
EQUILIBRIUM
FOOD CHAINS
HOMEOSTASIS BACTERIOLOGY 2 3 7
NOTE: Science which deals
with the study of bacteria
BT MICROBIOLOGY
RT AQUATIC MICROBIOLOGY
-- BACTERIA LIFE CYCLES LIMITING FACTORS BIOASSAY CULTURES NICHES PESTICIDE TOXICITY EPIDEMIOLOGY SOIL MICROBIOLOGY POPULATIONS SECONDARY PRODUCTIVITY BAFFLE BLOCKS 1 use BAFFLE PIERS SUCCESSION TROPHIC LEVEL BAFFLE PIERS 1
NOTE: Obstructions set up in the path of high velocity water to dissipate energy and prevent WILDLIFE WILDLIFE CONSERVATION BALANCE (WATER) 1 7 scour BAFFLE BLOCKS
RT ATTENUATORS
BAFFLES
DEFLECTORS BALANCES (LABORATORY EQUIPMENT)
use WEIGHING DEVICES DEFLECTIONS
-DIFFUSERS
ENERGY DISSIPATION
ENERGY DISSIPATORS (HYDRAULIC
STRUCTURES) BALL MILLING 3 4 7 se GRINDING (COMMINUTION) BALL MILLS 3 BT GRINDING MILLS -- FLOW CONTROL -- FLUID MECHANICS OBSTRUCTION TO FLOW SCOUR BALL PENETRATION TESTS UF KELLY BALL TESTS BT CONCRETE TESTS STILLING BASINS CONSISTENCY TESTS BAFFLE PLATES 1 RT ATTENUATORS BAFFLES BALL VALVES 1
BT HYDRAULIC VALVES
VALVES -- DAMPING DEFLECTORS RT PNEUMATIC VALVES - DIFFUSERS -- FLOW CONTROL FLOW DEFLECTORS BALLISTIC GALVANOMETERS BT ELECTRIC MEASURING INSTRUMENTS MEASURING INSTRUMENTS BAFFLES 1 7
RT ATTENUATORS
BAFFLE PIERS
BAFFLE PLATES BALLISTIC MISSILES ALLISTIC MISSILES 4 6
NOTE: Self propelled missiles
guided in the ascent of a
high arch trajectory and
freely falling in descent
BT MISSILES
RT ARTILLERY ROCKETS
--BOMBS (ORDNANCE)
CONVENTIONAL WEAPONS
GUIDED MISSILES
-- INCENDIARY AMMUNITION
-- MINITIONS CHUTE BLOCKS DEFLECTORS DENTATED SILLS -- DIFFUSERS -- DIFFUSION ENERGY DISSIPATORS (HYDRAULIC STRUCTURES) FLOW DEFLECTORS
-- FLUID FLOW
WATER WAVE SUPPRESSORS -- INCENDIARI AMMUI
-- MUNITIONS
-- NUCLEAR WEAPONS
-- ORDNANCE
-- WARHEADS
-- WEAPONS UP SUGARCANE BAGASSE
BT FIBERS
RT INSULANT BAGASSE NOTE: Long instrumented en-closures wherein tests of gun-launched pro-jectiles are conducted RT-BALISTICS MISSILE BANGE INSULATING CONCRETES BALLISTIC RANGES -- LIGHTWEIGHT AGGREGATES BAILERS 2 NOTE: Tools used in drilling and boring
BT DRILLING EQUIPMENT
RT PERCUSSION DRILLING MISSILE RANGES -- ROTARY DRILLING -- SAMPLERS BALLISTIC TRAJECTORIES 4 ALLISTIC TRAJECTORIES
BT TRAJECTORIES
RT-BALLISTICS
BOMB TRAJECTORIES
IMPACT PREDICTION
MISSILE TRAJECTORIES
PROJECTILE TRAJECTORIES SAND PUMPS BAILEY BRIDGES 2 5 BT BRIDGES

ROCKET TRAJECTORIES

MILITARY BRIDGES RT TRUSS BRIDGES

BALLISTICS 4 6
NOTE: Motion, behavior, or
appearance of objects thrown,
launched, or trajected by an
applied force
NT TERMINAL BALLISTICS UNDERWATER BALLISTICS
RT BALLISTIC RANGES
BALLISTIC TRAJECTORIES
-- GUNS (ORDNANCE) -- PROJECTILES BALLOONS 6
NOTE: Lighter than air craft
having no means of propulsion
BT AIRCRAFT RT WEATHER FORECASTING BAMBOO 3
RT FIBER REINFORCED CONCRETE
-- REINFORCED CONCRETE
-- REINFORCING MATERIALS BANK EROSION 1 2 UF RIVER BANK EROSION BT EROSION AVULSION BANK PROTECTION BANK STABILITY BANK STABILIZATION BANKS CANAL EMBANKMENTS CHANNEL EROSION CHANNEL IMPROVEMENT CHANGEL THEFOVERENT
- CHANNELS
EARTH LINED CANALS
FREEBOARD
- LINED CANALS
- MEANDER BELT DEPOSITS
MEANDERING STREAMS
POTAMOLOGY POTAMOLOGY REVETMENT RIVER CURRENTS RIVER REGULATION RIVER TRAINING - RIVERS -- RIVERS
-- SEDIMENTATION
-- SLOPE PROTECTION
SOIL EROSION
STREAM EROSION
UNLINED CANALS
VEGETATION EFFECTS BANK PROTECTION 1 2 3
UF CANAL BANK PROTECTION
RIVER BANK PROTECTION
STREAM BANK PROTECTION
RT BANK EROSION BANK STABILITY BANK STABILIZATION BANKS BLANKETS BRACED COFFERDAMS BURROWS
CANAL CONSTRUCTION
CANAL EMBANMMENTS
CHANNEL DESIGN
CHANNEL STABILIZATION
-- CHANNELS -- DIKES (TRAINING STRUCTURES)
-- EROSION CONTROL GABIONS -- HYDRAULIC ENGINEERING JETTIES -- MATTRESSES MEANDERING STREAMS POTAMOLOGY REVETMENT -- RIPRAP RIVER ENGINEERING RIVER REGULATION RIVER TRAINING SEEDING SHORE PROTECTION -- SLOPE PROTECTION

BANK PROTECTION (Con.)
SLOPE STABILIZATION
SOIL EROSION
STEEL JACKS
STREAM EROSION
WARNING SYSTEMS
-- WATER WAVES BANK STABILITY 1 RT APRONS (HYDRAULIC STRUCTURES) BANK EROSION BANK PROTECTION BANK STABILIZATION BURROWS CHANNEL IMPROVEMENT EROSION CONTROL SLOPE STABILITY BANK STABILIZATION 1 2
UF RIVER BANK STABILIZATION
BT STABILIZATION BANK EROSION BANK PROTECTION BANK STABILITY BANKS CHANNEL STABILIZATION MEANDERING STREAMS -- REVETMENT RIPRAP RIVER TRAINING SOIL STABILIZATION BANK STORAGE 1
BT WATER STORAGE
RT BANKS
BASE FLOW -- FLOODS -- GROUNDWATER -- GROUNDWATER FLOW INFLUENT STREAMS SOIL WATER STORAGE -- STREAMS
SURFACE- GROUNDWATER
RELATIONSHIPS
-- SURFACE WATERS
-- WATER LEVELS
-- WATER TABLE NOTE: Edge of waterway; rising ground bordering a body of water BANK EROSION
BANK PROTECTION
BANK STABILITY
BANK STABILIZATION BANK STORAGE
CHANNEL BEDS
CHANNEL MORPHOLOGY
-- CHANNELS OVERFLOW OVERTOPPING PHREATIC LINE REGIME -- RIPRAP -- RIVERS SHORE PROTECTION STREAM BEDS WASHOUTS WATER SURFACE 1 2 3 4 5 6 7 BAR GRAPHS BT DIAGRAMS
RT ARROW DIAGRAMS
COMPUTER PROGRAMMING
COMPUTER PROGRAMS FLOW CHARTS BARE BASE SUPPORT 2 5
NOTE: Temporary facility for a
tactical air combat force of
squadron size, with water source
and nothing more
RT--AIRCRAFT LANDING AREAS
AIRMOBILE OPERATIONS

-- LANDING FIELDS -- MILITARY OPERATIONS ARGES 1 2 RT--BOATS CANAL DESIGN LOCKS (WATERWAYS) TOWBOATS BARGES TOWS AND TOWING
WATER TRANSPORTATION
--WATERWAYS (TRANSPORTATION) BARITE 2 3 BT HEAVY MINERALS MINERALS DRILLING FLUIDS HEAVYWEIGHT AGGREGATES BARIUM HYDROXIDES BT HYDROXIDES BARIUM SULFATES 3 BT SULFATES BARNS S 3 FARM BUILDINGS BARNYARD PAVING DAIRIES BT DAIRY BUILDINGS SHEDS BARNYARD PAVING BT PAVING RT BARNS BARNYARD WASTES 7
use ANIMAL WASTES BAROMETERS 1 6 BT GAGES MEASURING INSTRUMENTS METEOROLOGICAL INSTRU-MENTS PRESSURE GAGES RT ATMOSPHERIC PRESSURE BAROMETRIC PRESSURE 1 2 use ATMOSPHERIC PRESSURE BARRAGES (ARTILLERY FIRE)
use ARTILLERY FIRE BARRAGES (DAMS) 1 2 3 4 use DAMS BARREL AUGERS BT AUGERS EXPLORATION SAMPLERS POWER AUGERS SAMPLERS SOIL SAMPLERS BARREL SHELLS 3
BT SHELLS (STRUCTURAL FORMS)
STRUCTURAL FORMS
RT CYLINDRICAL SHELLS BARRICADES 4 ARRIER BEACHES 1 2
NOTE: Bars parallel to the shore, the crest of which is above high water UP OFFSHORE BARRIERS
BT BARS (COASTAL)
BEACHES
RT BARRIER BARRIER BEACHES RT BARRIER ISLANDS SANDBARS -- SEDIMENTATION BARRIER ISLANDS 1 RT BARRIER BEACHES

BARE BASE SUPPORT (Con.)
EXPEDIENT CONSTRUCTION

BARRIERS UF BARRICADES
NT DEBRIS BARRIERS
FISH BARRIERS
GROUNDWATER BARRIERS HURRICANE BARRIERS SALT WATER BARRIERS TRASHRACKS TSUNAMI BARRIERS RT--BREAKWATERS
CHECK DAMS
--CHECK STRUCTURES -- CLOSURES -- DAMS DIVERSION STRUCTURES
-- DIVERSION WORKS
FORTIFICATIONS IMPERVIOUS BLANKETS
IMPERVIOUS LININGS
IMPERVIOUS MEMBRANES
OBSTRUCTION TO FLOW TUNNEL CLOSURES BARRIERS (VEHICLES)
use OBSTACLES BARS (COASTAL) 1 2 NT BARRIER BEACHES SANDBARS RT--COASTAL MORPHOLOGY COASTS -- REEFS -- SEDIMENTATION SHOALS SPITS (COASTAL) BARS (METAL) 3
MT REINFORCING BARS
RT--REINFORCING STEELS
TIES (REINFORCEMENT) ARS (RIVERINE) 1 2
NOTE: Deposits of alluvium,
sand and gravel found in
stream channels, at the
mouth of a river
NT SANDBARS
RT ALLUVIAL MORPHOLOGY
-- RIVERS BARS (RIVERINE) -- RIVERS -- SEDIMENTATION BASALT SALT 2 3 BT CRYSTALLINE ROCKS EXTRUSIVE ROCKS IGNEOUS ROCKS ROCKS RT- - AGGREGATES DIKES (GEOLOGY)
DOLERITE GABBRO LAVA RHYOLITE SILLS (GEOLOGY) COURSES 2 3 5
CALIFORNIA BEARING RATIO
CELLULAR PLASTICS
CRUSHED STONE
-- FLEXIBLE PAVEMENTS BASE COURSES -- GRAVELS
-- PAVEMENT DESIGN -- PAVEMENTS
PAVING
-- RUBBER TIRED ROLLERS
SCREENINGS STEEL WHEEL ROLLERS SUBBASES SUBGRADES BASE EXCHANGE 2 3 NOTE: Replacement of one cation adsorbed on a colloidal particle by another
UF CATION EXCHANGE
BT ION EXCHANGE

BATCH PLANTS (CONCRETE) 2 3 5 USE CONCRETE MIXING PLANTS BASE EXCHANGE (Con.)
RT ELECTROCHEMICAL INJECTION FILMS (MOISTURE) BATCH PROCESSING (DATA)
RT COMPUTATION
-- COMPUTER PROGRAMS
-- COMPUTERS IONS SOIL CHEMISTRY BASE FAILURES
BT FAILURES 2 5 C FAILURES
C CRITICAL HEIGHT
CRITICAL SLOPE
CRITICAL SURFACE
- DAM FAILURES
DAM STABILITY
EARTH DAM PERFORMANCE
EMBANKMENT STABILITY
- MASS WASTING
DAUGHENT FAILURES -- DATA PROCESSING BATCHING (CONCRETE) 3
RT BLENDING
CONCRETE MIXING
CONCRETE MIXTURES
PROPORTIONING (CONCRETE) BATHULITH ATHOLITH 2
BT INTRUSIONS (GEOLOGY)
RT DIKES (GEOLOGY)
GRANITE PAVEMENT FAILURES
ROCKFILL DAM PERFORMANCE SLIDES SLIDING LACCOLITH SILLS (GEOLOGY) SLOPE FAILURES SLOPE STABILITY BATHYAL ZONE 7
NOTE: Deep part of the ocean into which light does not penetrate effectively BT ENVIRONMENTS SOIL CREEP SOLIFLUCTION SUBGRADE FAILURES TENSION CRACKS TOE FAILURES MARINE ENVIRONMENT BASE FLOW 1
BT FLOW THROUGH POROUS MEDIA
FLUID FLOW BATHYMETERS 1 2 use DEPTH FINDERS BANK STORAGE EFFLUENT STREAMS BATHYMETRY RT BATHYTHERMOGRAPHS DEPTH FINDERS -- GROUNDWATER -- GROUNDWATER FLOW -- HYDROGRAPHS HYDROGRAPHY LOW FLOW RAINFALL-RUNOFF RELATION--- SURVEYING SHIPS BATHYSCAPHES 1 use DEEP OCEAN VEHICLES -- RUNOFF SURFACE- GROUNDWATER RELA-TIONSHIPS WATER LEVELS -- WATER TABLE BATHYTHERMOGRAPHS RT BATHYMETRY WATER TEMPERATURE BASE LINES (SURVEYING) 1 RT--SURVEYING BATTER PILES 2 BT PILES

BT PILES

RT ANCHOR PILES

DOLPHINS

HORIZONTAL LOADS BASE MAPS NOTE: Preliminary maps of area for use during geologic sur-LATERAL LOADS (PILES)
PILE LOAD TESTS (BATTER
PILES) veying
BT MAPS
RT--GEOLOGIC MAPS
--GEOLOGICAL INVESTIGATIONS
TOPOGRAPHIC MAPS UPLIFT PILES BATTERIES (STORAGE) 6 use STORAGE BATTERIES BASE PRESSURE BT PRESSURE BATTLE INJURIES BT INJURIES RT GUNSHOT WOUNDS BASEMENTS 3 UF CELLARS RT BUILDINGS -- WOUNDS BAUSCHINGER EFFECT 3
RT CRACK PROPAGATION
--CRACKING (FRACTURING)
FATIGUE (MATERIALS)
--TENSILE PROPERTIES BASINS (CONTAINERS) 1 7
NT CATCH BASINS
SETTLING BASINS (SEDIMENT)
SETTLING BASINS (WASTES)
STILLING BASINS RT-- RESERVOIRS BAUXITE DT METALLIC MINERALS RIVER BASINS MINERALS BASINS (GEOLOGY) 2 NOTE: Structure in which the stratified rocks dip toward RT ALUMINATE CEMENTS
-- ALUMINATES ALUMINUM OXIDE a central area
FOLDS AND FOLDING (GEOLOGY)
GEOLOGIC STRUCTURES
ANTICLINES ROCKS SODIUM ALUMINATES TROPICAL SOILS -- DOMES (GEOLOGY) GEANTICLINES GEOSYNCLINES MONOCLINES SYNCLINES

BATCH PLANTS (ASPHALT) 2 5 USE ASPHALT PLANTS

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BAYOUS 1 2
NOTE: Lakes, or small sluggish
secondary streams, often in
an abandoned channel or a
river delta
BT WETLANDS
RT DELTAS
-- LAKES
                                                                                                                      BEACHES 1 2 3 5 6 7
UF OCEAN BEACHES
BT TOPOGRAPHIC FEATURES
                                                                                                                                 TOPOGRAPHIC FEATURES
BARRIER BEACHES
                                                                                                                                  FEEDER BEACHES
BEACH EROSION
BEACH NOURISHMENT
BEACH PROFILES
        -- LAKES
                                                                                                                                 BEACH FROFILES
BEACH ROCKS
BEACH SANDS
BEACH TERRAIN
BEACH TERRAIN
BEACH TERRAIN
BEACH TERRAIN
BEACH SANDS
COASTAL MORPHOLOGY
COASTAL TOPOGRAPHIC
        -- MARSHES
        -- RIVERS
         -- STREAMS
        -- SWAMPS
             TRIBUTARIES
BAYS (TOPOGRAPHIC FEATURES) 1 7
UF EMBAYMENTS
    BT COASTAL TOPOGRAPHIC FEATURES
                                                                                                                                  FEATURES
COASTAL ZONE
            TOPOGRAPHIC FEATURES
ESTUARIES
                                                                                                                                 COASTS
DEPOSITION
        GULFS
-- INLETS (WATERWAYS)
                                                                                                                                  DUNES
GEOMORPHOLOGY
                                                                                                                                 INTERTIDAL ZONE
INTERTIDAL ZONE
ISLANDS (LANDFORMS)
LAGOONS (LANDFORMS)
LAKE MORPHOLOGY
LAKE SHORES
             OCEANS
BEACH EROSION 1 2 3 7
UF SHORE EROSION
BT EROSION
RT BEACH NOURISHMENT
-- BEACHES
-- BREAKWATERS
                                                                                                                              -- LAKES
                                                                                                                                 LARES
LAND-WATER INTERPACE
LITTORAL DEPOSITS
LITTORAL DRIFT
LITTORAL ZONE
MARINE CLAYS
MARINE ENVIRONMENT
            COASTAL ENGINEERING
COASTAL ZONE
             DUNES
FEEDER BEACHES
             GROINS
LAKE SHORES
                                                                                                                                 OCEAN WAVES
                                                                                                                                 RECREATION
RECREATIONAL FACILITIES
            LITTORAL CURRENTS
LITTORAL DEPOSITS
LITTORAL DRIFT
LITTORAL ZONE
                                                                                                                                  SANDBARS
                                                                                                                             -- SANDS
            OCEAN TIDES
OCEAN WAVES
SHORE PROTECTION
SOIL EROSION
                                                                                                                             SHINGLES (BEACH)
                                                                                                                                 TOPOGRAPHY
WATER WAVE RUN-UP
             TIDAL EFFECTS
WATER WAVE ACTION ON
                                                                                                                     BEACONS 1
use NAVIGATION AIDS
                 BEACHES
        WATER WAVE RUN- UP
                                                                                                                    BEAM COLUMN FRAMES
BEACH NOURISHMENT 1
UF ARTIFICIAL BEACHES
RT ACCRETION (GEOMORPHOLOGY)
BEACH EROSION
                                                                                                                        BT FRAMES
RT-BEAMS (SUPPORTS)
-- COLUMNS (SUPPORTS)
                                                                                                                    BEAMS ON ELASTIC FOUNDATIONS 2 3
BT BEAMS (SUPFORTS)
STRUCTURAL MEMBERS
RT CONTINUOUS BEAMS
        -- BEACHES
             FEEDER BEACHES
            LITTORAL CURRENTS
SHORE PROTECTION
                                                                                                                            ELASTIC FOUNDATIONS
-- STRUCTURAL DESIGN
BEACH PROFILES
    RT BEACHES
                                                                                                                    BEAMS (SUPPORTS) 2 3 4
BT STRUCTURAL MEMBERS
NT BEAMS ON ELASTIC FOUNDA-
BEACH ROCKS
BT ROCKS
RT-- BEACHES
                            2
                                                                                                                                 TIONS
BOX BEAMS
                                                                                                                               CANTILEVER BEAMS
CHANNEL BEAMS
-CONCRETE BEAMS
CONTINUOUS BEAMS
BEACH SANDS 1 2 3
BT COARSE GRAINED SOILS
             GRANULAR MATERIALS
             SANDS
        AEOLIAN SANDS
                                                                                                                                CONCRETE BEAMS
CONTINUOUS BEAMS
            CUSPS
DUNES
LAKE SHORES
                                                                                                                                CURVED BEAMS
GRADE BEAMS
                                                                                                                                DEEP BEAMS
EDGE BEAMS
BEACH TERRAIN 5
BT TERRAIN
RT BEACH TRAPPICABILITY
-- BEACHES
LAND- WATER INTERFACE
                                                                                                                                H- BEAMS
I- BEAMS
                                                                                                                                JOISTS
L BEAMS
                                                                                                                               MEEDLE BEAMS
PRECAST CONCRETE BEAMS
PRESTRESSED CONCRETE BEAMS
RECTANGULAR BEAMS
BEACH TRAFFICABILITY
          TRAFFICABILITY
AMPHIBIOUS VEHICLES
BEACH TERRAIN
                                                                                                                                SOLDIER BEAMS
```

-- BEACHES

LAND-WATER INTERPACE

BEAMS (SUPPORTS) STEEL BEAMS T-BEAMS (Con.) BEARING CAPACITY (ICE AND SNOW) 2 5 BT BEARING CAPACITY TIE BEAMS
T BEAM COLUMN FRAMES
BENDING MOMENTS
-- BRACINGS SNOW PROPERTIES CONE INDEX CRYOLOGY - ICE COLUMNS (SUPPORTS)
-- FLEXURAL STRENGTH ICE CORES
ICE MECHANICS
ICE SAMPLING
ICE STRENGTH -- FOOTINGS -- FOUNDATIONS -- GIRDERS MODULUS OF RUPTURE -- MECHANICAL PROPERTIES SNOW SNOW COMPACTION SNOW MECHANICS -- PILES PLATE GIRDERS -- STRUCTURAL DESIGN -- SUPPORTS SNOW MECHANICS
SNOW ROADS
SNOW RUNWAYS
SNOW SAMPLING
SNOW STABILIZATION
SNOW STREMOTH
SNOW TRAPFICABILITY TRUSSES BEAR-TRAP DAMS 1 BT MOVABLE DAMS RT BEAR-TRAP GATES BEARING STRESS 3 4
BT COMPRESSIVE PROPERTIES
MECHANICAL PROPERTIES BEAR-TRAP GATES 1 BT HYDRAULIC GATES RT BEAR-TRAP DAMS SHEAR PROPERTIES STRESSES - MOVABLE DAMS BEARING CAPACITY 2 3 5
NOTE: Includes material on
bearing capacity theory
UF FOUNDATION BEARING CAPACITY
LOAD BEARING CAPACITY
SOIL BEARING CAPACITY
ULTIMATE BEARING CAPACITY
NT ALLOWABLE BEARING
CAPACITY
BEARING CAPACITY (ICE BEARING TESTS EARING TESTS 2
use LOAD TESTS (FOUNDATIONS) BEARINGS UF SPHERICAL BEARINGS NT BRIDGE BEARINGS BEAUTIFICATION (RT LANDSCAPING BEARING CAPACITY (ICE
AND SNOW)
-- DYNAMIC BEARING CAPACITY
DYNAMIC BEARING CAPACITY BEBOUT WICKET DAMS BT MOVABLE DAMS (PILES) BED LOAD 1 2 UF GESCHIEBE BT SEDIMENT -- PILE BEARING CAPACITY RT ALLOWABLE LOADS BUILDING CODES SEDIMENT LOAD
BED RIPPLES
CRITICAL TRACTIVE FORCE
DEGRADATION -- COHESION -- COMPACTION (SOILS)
-- COMPRESSIVE PROPERTIES
-- COMPRESSIVE STRENGTH DEPOSITION CONE INDEX DETRITUS - COME INDEX -- COME PENETRATION TESTS -- DENSIFICATION (SOILS) DEPTH FACTOR (SOILS) FIELD TESTS RESERVOIR SEDIMENTATION SALTATION SAND WAVES SCOUR FIELD TESTS
FOOTINGS
FOUNDATION CONDITIONS
FOUNDATION DEPTH
FOUNDATION DESIGN
FOUNDATION PAILURES
FOUNDATION PRESSURES SCOUR
SEDIMENT SAMPLERS
- SEDIMENT TRANSPORT
- SEDIMENTATION
STREAM BEDS
STREAM EROSION
- STREAMS FOUNDATION PRESSURES
-- FOUNDATIONS
FRICTION COEFFICIENT
GROUND FLOTATION
KREYS METHOD
-- LOAD TESTS (FOUNDATIONS)
LOAD TESTS (PAVEMENTS)
-- LOADS (FORCES)
-- MECHANICAL PROPERTIES
-- PLATE BEARING TESTS
PLATE SINKAGE TESTS
-- ROCK PROPERTIES SUSPENDED LOAD SUSPENDED SOLIDS -- TRACTIVE FORCES TURBULENT FLOW BED LOAD SAMPLING 2 USE SEDIMENT SAMPLING BED MATERIALS (MODELS) 1
NOTE: Includes crushed coal,
plastics, sand, sawdust, and
various other materials
UF MODEL BED MATERIALS
RT ESTUARY MODELS
--HYDRAULLO MODELS
MOVABLE-BED MODELS
SEMIRIOID MODELS
--TIDAL MODELS PLATE SINKAGE TESTS
-ROCK PROPERTIES
-ROCK STRENGTH
SETTLEMENT ANALYSIS
SHEAR FAILURE
-SHEAR PROPERTIES
-SOIL MECHANICS
-SOIL PENETRATION TESTS
SOIL PRESSURE
-SOIL STABILITY
-SOIL STABILITY -- TIDAL MODELS BED MOVEMENTS SOIL STABILITY
-- SOIL STABILIZATION
-- SOIL STRENGTH
-- SOIL STRUCTURE
STRENGTH OF MATERIALS
-- TRAFFIC TESTS
-- TRAFFICABILITY RT AGGRADATION BED RIPPLES

ULTIMATE LOADS

CHANNEL BEDS CHANNEL STABILIZATION

-- CHANNELS

BEDS (STREAMS) 1 2 4 7 use STREAM BEDS BED MOVEMENTS (Con.)
-- GRADIENTS
MEANDERING STREAMS MEANDERING STREAMS
-- SEDIMENT TRANSPORT
STREAM BEDS
STREAM VELOCITY
SUSPENDED LOAD BELLMOUTHS 1
NOTE: Rounded entrance to a pipe or orifice
RT--CLOSED CONDUITS
--DISCHARGE COEFFICIENTS
ENTRANCES (FLUID FLOW)
HEAD LOSSES -- WATER CURRENTS BED RIPPLES I
RT BED LOAD
BED MOVEMENTS
BED ROUGHNESS
CHANNEL BEDS
STREAM BEDS
STREAM PEDS
STREAM BEDS
STREAM BEDS HEAD LOSSES
-- INTAKES
-- OUTLET WORKS
PIPE PITTINGS
PIPE JOINTS
PRESSURE DISTRIBUTION
COLLINAYS -- SPILLWAYS CONSTRUCTION EQUIPMENT
CONVEYORS BELT CONVEYORS BED ROUGHNESS BED RIPPLES ROUGHNESS COEFFICIENT EARTH HANDLING EQUIPMENT MATERIALS HANDLING EQUIP STREAM BEDS SURFACE ROUGHNESS MENT CLOSED-TUBE BELT CONVEYORS (HYDRAULICS) LONG DISTANCE CONVEYORS BEDDING RT BEDDING MATERIALS
--CONCRETE PIPES BENCH MARKS 1 RT ELEVATION -- PIPES -- MAPPING SEA LEVEL SETTLEMENT REFERENCE POINTS BEDDING MATERIALS 1 2 3 BEDDINGS GRAVEL BLANKETS -- SURVEYING BEND TESTS 2 3 4 5
RT BENDING
BENDING MOMENTS
-- BENDING STRESS
FATIGUE TESTS
-- FLEXURAL STRENGTH
FRACTURE MECHANICS
-- IMPACT TESTS
LOW TEMPERATURE TESTS
-- MODULUS OF DEFORMATION
MODULUS OF RUPTURE
RADIATION TESTS
-- REINFORCING STEELS -- PIPES BEDDING PLANES DDING PLANES 2
NOTE: Surface marking the boundary between a rock stratum and the stratum above or below
UF STRATIFICATION PLANES UF STRATIFI BEDS (GEOLOGY)
CROSS BEDDING CROSS BEDDING
DISCONTINUITIES (STRUCTURAL GEOLOGY)
FOLIATION (GEOLOGY)
-- GEOLOGICAL INVESTIGATIONS -- REINFORCING STEELS
-- STATIC TESTS BENDING UF BOWING NT BUCKLING BEDROCK GEOLOGIC FORMATIONS
ROCKS
BEDDING PLANES
BEDS (GEOLOGY)
OUTCROPS
OVERBURDEN BEND TESTS
BENDING MOMENTS
BENDING STRESS CAMBER CONCRETE DEFORMATION
-- DEFLECTION - DEFORMATION
DISTORTION (STRUCTURAL)
FLEXIBILITY
- FLEXURAL STRENGTH
- MODULUS OF ELASTICITY NOTE: E: Bottom of body of water CHANNEL BEDS DRY BEDS
LAKE BEDS
STREAM BEDS
STREAM BEDS
CHANNEL MORPHOLOGY
-- CHANNELS BENDING MOMENTS 2 3 4 6
RT-BEAMS (SUPPORTS)
BEND TESTS
-BENDING
BENDING STRESS CRITICAL TRACTIVE FORCE REGIME BENDING STRESS
ECCENTRIC LOADS
-- FLEXURAL STRENGTH
-- FOUNDATION DESIGN
FOUNDATION FAILURES
-- FLATES (STRUCTURAL
MEMBERS)
-- SLABS
STRENGTH OF MATERIALS THALWEG BEDS (GEOLOGY) 2 NOTE: Layer, deposit or stratum of rock, usually sedimentary rock BEDDING PLANES STRESS ANALYSIS GEOLOGIC FORMATIONS - SEDIMENTARY ROCKS BENDING STRESS 2 3 4 5 6 STRATA BT STRESSES RT BEND TESTS -- BENDING UNCONFORMITIES (GEOLOGY) BEDS (LAKES) 1 2 4 7 use LAKE BEDS BENDING MOMENTS
DISTORTION (STRUCTURAL) ECCENTRIC LOADS

DING STRESS (CON.)
-- FLEXURAL STRENGTH
-- FOLDS AND FOLDING (GEOLOGY)
-- FOUNDATION DESIGN
FOUNDATION FAILURES STRESS ANALYSIS BENDING WAVES 2 3 USE FLEXURAL WAVES use CHANNEL BENDS BENDS (CHANNELS) 1 2 use CHANNEL BENDS BENDS (PIPES) : BENEFICIATION 3
NOTE: Improvement of chemical
or physical properties of a
raw material by removal of
undesirable parts
RT--AGGREGATES HEAVY MEDIA SEPARATION LEACHING (CONCRETE) BENEFIT COST ANALYSIS 6
UF BENEFIT COST RATIOS
COST BENEFIT ANALYSIS
BT COST ANALYSIS
RT BENEFITS CONSTRUCTION COSTS
COST CONTROL
COST EFFECTIVENESS
COST ENGINEERING -- COSTS ECONOMIC ANALYSIS FEASIBILITY STUDIES
-- MATHEMATICAL MODELS PROJECT PLANNING VALUE ENGINEERING BENEFIT COST RATIOS use BENEFIT COST ANALYSIS BENEFITS 6 RT BENEFIT COST ANALYSIS PROFITS
PROJECT PLANNING ENKELMAN BEAM 2 3 5 RT ACCEPTANCE TESTS FIELD TESTS PAVEMENT DEPLECTION --QUALITY CONTROL BENKELMAN BEAM BENOTO METHOD 2 RT CAISSON EXCAVATORS BENTHIC FAUNA 7
UF BOTTOM FAUNA
BT AQUATIC ANIMALS
BENTHOS NT CLAMS OYSTERS RT-- AQUATIC MICROORGANISMS
CULICIDAE -- DIPTERA -- MARINE ANIMALS MAYFLIES OCEAN BOTTOM SNAILS BENTHIC FLORA 7
UF BOTTOM VEGETATION
BT AQUATIC PLANTS
BENTHOS BENTHOS
PLANTS (BOTANY)
RT--AQUATIC ALGAE
--AQUATIC MICHOORGANISMS
MARINE ALGAE
--MARINE PLANTS
GORAL BOTTOM

OCEAN BOTTOM

BENDING STRESS

(Con.)

BENTHONIC ZONE BT ENVIRONMENTS MARINE ENVIRONMENT NT LITTORAL ZONE RT SUBSTRATES BENTHOS 1 7
NOTE: Bottom of oceans or other bodies of water, especially at considerable depths, and the organisms living there UF EPIBENTHOS
MACKOBENTHOS
MACKOBENTHOS
MACKOBENTHOS
MACKOBENTHOS NT-BENTHIC FAUNA -- BENTHIC FLORA CLAMS OYSTERS RT-AQUATIC ANIMALS
--AQUATIC ANIMALS
--AQUATIC BIOLOGY
--AQUATIC MICROORGANISMS
--AQUATIC PLANTS
BIOMASS
BLOMASS BIOTA LITTORAL ZONE MARINE ALGAE
--MARINE ANIMALS
MARINE BACTERIA
--MARINE PLANTS OCEAN BOTTOM -- PLANTS (BOTANY) BENTONITE 2 3 NOTE: Very fine-grained clay derived from volcanic ash and consisting largely of montmorillonite mineral BT CLAYS COHESIVE SOILS EXPANSIVE CLAYS EXPANSIVE SOILS FINE GRAINED SOILS
INORGANIC CLAYS
RT BENTONITE GROUTS
BENTONITE SLURRY METHOD -- CLAY MINERALS
IMPERVIOUS SOILS
MONTMORILLONITE
-- SILICATE MINERALS SOIL (CONSTRUCTION MATERIAL)
VOLCANIC ASH
VOLCANIC CLAYS BENTONITE GROUTING 2 3 BT CLAY GROUTING GROUTING SOIL GROUTING BENTONITE GROUTS BENTONITE GROUTS BT CLAY GROUTS GROUTS 2 3 SOIL GROUTS RT BENTONITE BENTONITE GROUTING BENTONITE SLURRY METHOD 2 3 UF CRONESE METHOD SLURRY TRENCH METHOD RT BENTONITE -- DRILLING DRILLING FLUIDS IMPERVIOUS CUTOFFS SLURRIES SLURRY EXCAVATION SLURRY TRENCHES BENTZEL TUBES use PITOT TUBES

ERMS 1 2
NOTE: Narrow man-made strips
along embankments or margins
of roads
NT SEEPAGE BERMS
STARILLIAN BERMS BERMS STABILITY BERMS RT--EMBANKMENTS ROAD DESIGN BERMS (BEACHES) NOTE: Formations along beaches caused by deposit of material under influence of waves RT--BEACHES -- GEOMORPHOLOGY WATER WAVE ACTION ON BEACHES BERNOULLI EQUATION 1 BERTHING DOLPHINS 1 2 3 use DOLPHINS BERTRAND QUALIFYING EQUATION RT HYDRAULIC SIMILITUDE BERYLLIUM BT METALS BESSEL FUNCTIONS 6
BT COMPLEX VARIABLES
FUNCTIONS (MATHEMATICS)
RT BESSEL TRANSFORMATION
ORTHOGONAL FUNCTIONS BESSEL TRANSFORMATION 6
BT FUNCTIONAL ANALYSIS
FUNCTIONS (MATHEMATICS)
INTEGRAL TRANSFORMATIONS TRANSFORMATIONS (MATHE-MATICS) RT BESSEL FUNCTIONS BETA ACTIVATION ANALYSIS 3
BT RADIOACTIVATION ANALYSIS BETA PARTICLES 2 4 NOTE: High speed electrons given off by radioactive sub-stances RT BETA RAYS ELECTRONS
NUCLEAR RADIATION
-- RADIOACTIVE ISOTOPES
RADIOACTIVITY BETA RADIATION 2 4 7 use BETA RAYS BETA RAYS 2 4 7 NOTE: Streams of beta particles UF BETA RADIATION BT NUCLEAR RADIATION ALPHA RAYS BETA PARTICLES CARBON- 14 ELECTRONS GAMMA RAYS RADIOACTIVE DECAY RADIOACTIVITY BEVAMETERS BT SHEAR EQUIPMENT SOIL STRENGTH TEST INSTRU-MENTS TRAFFICABILITY TEST INSTRU-MENTS MENTS
RT--PENETROMETERS
PLATE SINKAGE TESTS
SHEAR STRENGTH (SOILS)
--SHEAR TESTS SNOW STRENGTH

BIAXIAL COMPRESSION TESTS 2
USE PLANE STRAIN SHEAR TESTS

BIAXIAL COMPRESSION TESTS (ROCK) 2
use PLANE STRAIN SHEAR TESTS (ROCK) BIAXIAL COMPRESSION TESTS
(SOILS) 2
use PLANE STRAIN SHEAR TESTS
(SOILS) BIAXIAL LOADS use BIAXIAL STRESSES BIAXIAL STRAIN 2 use PLANE STRAIN BIAXIAL STRESSES 2 3 UF BIAXIAL LOADS
BT STRESSES
RT-LOADS (FORCES)
PLANE STRESS BIBLIOGRAPHIES 5 6 RT DOCUMENTS BIDS UF COMPETITIVE BIDDING BT CONTRACT ADMINISTRATION RT--CONTRACTS -- COSTS NEGOTIATIONS PURCHASING BIFURCATED CHANNELS 1
use CHANNEL BIFURCATION BIFURCATED FLUMES use CHANNEL BIFURCATION BIFURCATIONS 1
BT BRANCHES
NT CHANNEL BIFURCATION
RT--CANALS JUNCTIONS PENSTOCKS -- PIPELINES TRIFURCATIONS WYE BRANCHES BIG GAME 7 NOTE: Large animals especially mammals pursued or taken in hunting RT WILDLIFE BINARY SYSTEM (MATHEMATICS) RT ERROR CORRECTING CODES BINARY SYSTEMS (DIGITAL)
use DIGITAL SYSTEMS BINDERS 2 3 5 6 NOTE: Substance which causes adhesion and cohesion RT--ADHESIVES --ADMIXTURES CEMENTATION -- CLAYS -- CONCRETE ADMIXTURES EPOXY RESINS MECHANICAL SOIL STABILIZATION MOLDING MATERIALS -- SEALERS BINGHAM MODEL MODELS RHEOLOGICAL MODELS RT GRAIN ELEVATORS SILOS BIOASSAY 7 NOTE: Employment of living or-ganisms to test the effects of a substance under standard-ized conditions

BIOASSAY (Con.) RT BACTERIOLOGY BIOHERMS 2 NOTE: Old coral reefs
BT CCRAL REEFS AND ISLANDS
ISLANDS (LANDFORMS) BIOLOGY
-- CHEMICAL ANALYSIS
PESTICIDE RESIDUES REEFS -- PESTICIDES
-- TOXICITY CORAL WATER POLLUTION SOURCES BIOLOGICAL COMMUNITIES 7
UF SYNECOLOGY
NT DOMINANT ORGANISMS
--ECOTYPES BIOCHEMICAL OXYGEN DEMAND 7
NOTE: Test for the detection
and measurement of pollution
in which the quantity of oxygen
that has been used by oxidizable
materials under standardized RT AUTECOLOGY BIOLOGY ECOLOGICAL SUCCESSION
-- ECOSYSTEMS conditions is determined BOD OXYGEN DEMAND AERATION ENVIRONMENTAL GRADIENT FOOD CHAINS AERATION
AEROBIC PROCESSES
ANAEROBIC PROCESSES
BIOLOGICAL PRODUCTIVITY
CHEMICAL OXYGEN DEMAND
CHLORINATION
COAGULATION
DISSOLUED CAAFE LIMNOLOGY NICHES -- SUCCESSION BIOLOGICAL CONTROL NOTE: Method of controlling pests by means of introduced -- DISSOLVED GASES DISSOLVED OXYGEN pests by means of introduced or naturally occurring preda-tory organisms, sterilization or the use of inhibiting hor-mones, etc., rather than by mechanical or chemical means T BIOLOGY INSECT CONTROL FILTRATION FLOCCULATION -- METABOLISM ODOR CONTROL -- ORGANIC MATTER -- ORGANIC MATTER
OXYGEN
OXYGEN DEPLETION
OXYGEN SAG
SEDIMENTATION
WATER ANALYSIS
-- WATER POLLUTION -- PEST CONTROL BIOLOGICAL PRODUCTIVITY NOTE: Rate of production of organic matter produced by biological activity in an area IODEGRADATION 7
NOTE: Process of decomposing quickly as a result of the action of microorganisms
BT DECOMPOSITION BIODEGRADATION of volume
BT PRODUCTIVITY
RT BIOCHEMICAL OXYGEN DEMAND
CHEMOSYNTHESIS DEGRADATION
DEGRADATION
ACTIVATED SLUDGE PROCESS
ANAEROBIC CONDITIONS
ANAEROBIC PROCESSES DISSOLVED ORGANIC MATTER PRIMARY PRODUCTIVITY AQUATIC MICROBIOLOGY BIOLOGICAL PROPERTIES BIOLOGY DIGESTION (DECOMPOSITION) -- DISPOSAL LAGOONS (PONDS) LIQUID WASTES OIL SPILL CONTROL -- SEWAGE TREATMENT BIOLOGICAL SHIELDING 3 4 7
use RADIATION SHIELDING BIOLOGICAL WARFARE 7
RT CBR WARFARE
MILITARY OPERATIONS SOIL MICROBIOLOGY SOLID WASTES -- WASTE TREATMENT BTOLOGY OLOGY 2 7
NT BOTANY
-- SOIL BIOLOGY BIOGENIC DEPOSITS use ORGANIC DEPOSITS ANIMALS BIOGEOCHEMICAL CYCLE OGEOCHEMICAL CYCLE 7 NOTE: Movement of chemical elements from the physical en-vironment to organisms in an -- AQUATIC ENVIRONMENT BACTERIA BALANCE OF NATURE BIOASSAY vironment to organisms in an ecosystem and back to the environment; CARBON CYCLE
NITROGEN CYCLE
PHOSPHORUS CYCLE
CIRCADIAN RHYTHMS
DISSOLVED ORGANIC MATTER
PHOTOSYNTHESIS
RESPIRATION BIODEGRADATION
--BIOLOGICAL COMMUNITIES
BIOLOGICAL CONTROL BIOMASS -- BIOMES BIORHYTHMS -- BIRDS -- DIGESTION (DECOMPOSITION) NOTE: Branch of biology that deals with the geographic dis-tribution of plants and animals -- ECOLOGY BIOGEOGRAPHY -- ENVIRONMENTAL EFFECTS -- ENVIRONMENTS -- FISHES FOOD CHAINS HABITATS LIMNOLOGY

-- MICROBIOLOGY -- MICROORGANISMS

ENDANGERED SPECIES

BIOGRAPHY 6

BIOLOGY Con.)	BIOTA 7
MORPHOLOGY	NOTE: All the species of plants
PIGMENTS PLANT GROWTH	and animals occurring within a certain area
PLANT GROWTHPLANTS (BOTANY)	RT ANIMALS
POLLEN	BENTHOS
POPULATIONS	BIOLOGY DOMINANT ORGANISMS
PRODUCTIVITY RADIOECOLOGY	ECOTYPES
SUCCESSION	MICROORGANISMS
TREES	PLANKTON PLANTS (BOTANY)
WEEDS WILDLIFE	SESTON
WIEDDIFE	TO THE PERSON WAS UT WEST F
BIOMASS 7	BIPED LOCOMOTION MACHINES 5 use Walking VEHICLES
NOTE: Total quantity at a given	UBE WALKING VEHICLES
time of living organisms of one or more species per unit	BIPODS 1
of space (species biomass), or	NOTE: Precast concrete armor
of all the species in a commun-	Units BT ARMOR UNITS
ity (community biomass) RTAQUATIC ANIMALS	
AQUATIC BIOLOGY	BIRDS 7
AQUATIC HABITATS	BT VERTEBRATES NT SHORE BIRDS
AQUATIC PLANTS BENTHOS	WATERPOWL
BIOLOGY	RT BIOLOGY
COMMUNITY	FLYWAYS
MARINE PLANTS	MIGRATION WILDLIFE
NEKTON PLANKTON	
PRODUCTIVITY	BITUMENS 2 3 5 UF BITUMINOUS MATERIALS
STANDING CROP	UP BITUMINOUS MATERIALS BT ORGANIC DEPOSITS
BIOMES 7	NT ASPHALTS
NOTE: Any of the major terres-	RT BITUMINOUS CEMENTS
trial ecosystems of the world	BITUMINOUS COATINGS BITUMINOUS CONCRETES
such as tundra, deciduous	BITUMINOUS FIBER PIPES
forest, desert, taiga, etc. NT GRASSLANDS	BITUMINOUS LABORATORIES
TUNDRA	BITUMINOUS SOIL STABILIZATION
RT BIOGEOGRAPHY	CARBON COAL
BIOLOGY CLIMATE	COAL TAR
ECOLOGY	ECONOMIC GEOLOGY
ENVIRONMENTAL GRADIENT	FLEXIBLE PAVEMENTS HOT MIX
HABITATS LIMNOLOGY	HUBBARD- PIELD METHOD
LIMMOLOGI	HVEEM METHOD
BIONICS 6	HYDROCARBONS LIGNITE
RT ARTIFICIAL INTELLIGENCE AUTOMATA THEORY	MARSHALL METHOD
CYBERNETICS	MASTICS
HUMAN FACTORS ENGINEERING	OIL SHALES OPTIMUM BITUMEN CONTENT
MAN MACHINE SYSTEMS	PETROLEUM
SYSTEMS ENGINEERING	TARS
BIONOMICS 7	DIMINITARNIC CEMPAINS 1 2 2 5
use ECOLOGY	BITUMINOUS CEMENTS 1 2 3 5 UF ASPHALT CEMENTS
BIORHYTHMS 7	TAR CEMENTS
NOTE: The more or less regular	BT CEMENTS
recurrence of phenomena such	RT ASPHALT BLOCKSBITUMENS
as day and night, differences in animal behavior, etc.	BITUMINOUS CONCRETES
BT ECOSYSTEMS	HYDRAULIC CEMENTS
RT ANIMAL BEHAVIOR	~-LININGS MASTICS
BIOLOGY CIRCADIAN RHYTHMS	OIL WELL CEMENTS
DIURNAL VARIATIONS	RESIN CEMENTS
ECOLOGY	BITUMINOUS COATINGS 2 5
LIFE CYCLES	UF COAL TAR COATINGS
PHENOLOGY PHOTOPERIODISM	BT COATINGS
SEASONAL VARIATIONS	RT-BITUMENS
	COAL TAR DUST COMTROL
BIOSTIMULATION 7 NOTE: General term used to de-	PAVEMENTS
scribe the complex set of fac-	WATERPROOF COATINGS
tors involved in the growth of	WATER PROOFING
algae (and other organisms) in	BITUMINOUS CONCRETE PAVEMENTS 2 3 4
a receiving water due to the addition of nutrients	USE FLEXIBLE PAVEMENTS
RT ENRICHMENT	BITUMINOUS CONCRETE PLANTS 3
NUTRIENTS	BITUMINOUS CONCRETE PLANTS 3

LANKETS (Con.)
RT BANK PROTECTION
CANAL LININGS
-- DAM DESIGN BITUMINOUS CONCRETES 1 2 3 5 UF ASPHALT CONCRETES TAR CONCRETE BT CONCRETES BLANKETS -- EROSION CONTROL RT ASPHALTS
-- BITUMENS -- RIPRAP BITUMINOUS CEMENTS EPOXY- ASPHALT CONCRETE BLAST CLOSURE VALVES BT CLOSURES
VALVES
RT-- PROTECTIVE STRUCTURES - FLEXIBLE PAVEMENTS HOT MIX -- LININGS MINERAL FILLERS ROAD MATERIALS RUBBERIZED TAR BLAST DOORS BT CLOSURES
RT--PROTECTIVE STRUCTURES
SHELTER ENTRANCES BITUMINOUS FIBER PIPES 1 2 5 BT CONDUITS PIPES -- SHELTERS RT- - BITUMENS BLAST EFFECTS 2 3 4
BT EXPLOSION EFFECTS
NT EXHAUST BLAST EFFE BITUMINOUS LABORATORIES 2 5
BT LABORATORIES
RT-BITUMENS
--FLEXIBLE PAVEMENTS
HUBBARD-FIELD METHOD
HYEEM METHOD
MARSHALL METHOD EXHAUST BLAST EFFECTS
AIR BLAST INDUCED GROUND MOTION AIR BLAST WAVES BLAST LOADS CRATER EJECTA CRATER FALLBACK BITUMINOUS MATERIALS 2 3 5 -- CRATERING CRATERING INVESTIGATIONS CRATERING THEORY BITUMINOUS SOIL STABILIZATION
UP ASPHALT SOIL STABILIZATION
BT SOIL STABILIZATION
RT ASPHALT GROUTING -- CRATERS DYNAMIC PRESSURE HIGH EXPLOSIVE CRATERS -- IMPULSIVE LOADS
NUCLEAR CRATERS
-- NUCLEAR EXPLOSION EFFECTS
NUCLEAR WEAPONS EFFECTS -- BITUMENS OPTIMEMS BITUMEN CONTENT
RESINOUS SOIL STABILIZATION
SOIL ASPHALT
WATERPROOFING (SOILS) OVERPRESSURE OVERRUN BLAST AREAS -- SHOCK WAVES -- UNDERWATER EXPLOSIONS BLACK COTTON SOILS 2 NOTE: Dark brown or black clayey soil, which shows marked volume changes with change in BLAST EFFECTS ON PAVEMENTS (EXHAUST) 2 3 5 use EXHAUST BLAST EFFECTS moisture content
UF COTTON SOILS
RT--EXPANSIVE SOILS BLAST FURNACE SLAG BT SLAGS RT-- AGGREGATES SOIL SHRINKAGE SOIL SWELLING BLAST FURNACES SUPERSULFATED CEMENT BLACK POWDER BT EXPLOSIVES RT SODIUM NITRATES BLAST FURNACES 3
BT FURNACES
RT BLAST FURNACE SLAG BLACKBODY ACKBODY 2

ADSOrbs Without reflection all of the electromagnetic radiation incident on its surface RT EMISSIVITY GRAYBODY BLAST LOAD GENERATORS BT AIR BLAST SIMULATORS
RT BLAST LOADS
-- DYNAMIC LOADS
DYNAMIC PRESSURE BLAST LOADS 2 3 4 5
BT DYNAMIC LOADS
IMPULSIVE LOADS
LOADS (FORCES)
RT-BLAST EFFECTS
BLAST LOAD GENERATORS
BLAST RESISTANT STRUCTURES
BLAST RESISTANT SURFACES
-- BLASTING BLAINE METHOD use PARTICLE SIZE DETERMINATION BLANKET DRAINS 1 2 USE DRAINAGE BLANKETS BLANKET GROUTING 1 3 ANABT GROUTING 1 3
NOTE: Process of grouting an
area in plan to a certain depth
in elevation
UF AREA GROUTING
BT GROUTING BLAST RESISTANT SURFACE
- BLASTING
DYNAMIC PRESSURE
EXHAUST BLAST
EXHAUST BLAST EFFECTS
-- EXPLOSION EFFECTS
GUST LOADS BLANKET INSULATION 3 -- NUCLEAR EXPLOSION EFFECTS NUCLEAR WEAPONS EFFECTS OVERPRESSURE ANKETS 1 2 3

NT DRAINAGE BLANKETS
FILTER BLANKETS
GRAVEL BLANKETS
IMPERVIOUS BLANKETS BLANKETS. ROCKET EXHAUST BLAST RESISTANT CONSTRUCTION 2 3 4

ROCK BLANKETS

BLAST RESISTANT STRUCTURES BLIZZARDS UF BLAST RESISTANT CONSTRUCTION RT BLAST LOADS BT STORMS RT GUSTS CONCRETE CONSTRUCTION HARDENED INSTALLATIONS SNOW -- WIND (METEOROLOGY) NUCLEAR WARFARE DEFENSE
-- PROTECTIVE STRUCTURES BLOCKS (CONCRETE) USE CONCRETE BLOCKS -- SHELTERS TARGET VULNERABILITY BLOWERS 1 6 RT-AIR CONDITIONING BLAST RESISTANT SURFACES 2 3 5 RT BLAST LOADS EQUIPMENT COOLING SYSTEMS EXHAUST BLAST EXHAUST BLAST EFFECTS FANS IMPELLERS REFRICERATING MACHINERY JET BLAST RESISTANT MATERIALS ROCKET EXHAUST SPRAYERS TURBOMACHINERY VENTILATION BLAST SIMULATORS BT SIMULATORS DYNAMIC LOAD SIMULATORS VENTILATORS NT-- AIR BLAST SIMULATORS RT-- AEOLIAN DEPOSITS
AEOLIAN SANDS
DESERT DEPOSITS
DUST BLOWING SAND OR DUST BLAST WAVES 2 4
use AIR BLAST WAVES BLASTING 2 4
NT ROCK BLASTING
RT AIR BLAST INDUCED GROUND DUST DUST CLOUDS DUST CONTROL MOTION -- SANDS AIR BLAST WAVES
--BLAST EFFECTS
BLAST LOADS BLOWOUTS 1 NOTE: Bursting under hydrostatic pressure
RT-DAM FAILURES
--FLOODS
RELIEF WELLS BLASTING AGENTS -- EXCAVATION -- EXPLOSIONS -- IMPULSIVE LOADS SAND BOILS -- IMPOLSIVE LOADS
-- MINING
MINING ENGINEERING
PRESPLITTING (BLASTING)
RAPID EXCAVATION BLUE- GREEN ALGAE use CYANOPHYTA ROCK MECHANICS
SAFETY ENGINEERING
SHAFTS (EXCAVATION)
SHOCK MECHANICS BOAT- LAUNCHING RAMPS 1 3 6 BT HARBOR STRUCTURES RT-- BOATS MARINAS SHOCK TESTS SOIL DISPLACEMENT METHODS -- RECREATIONAL FACILITIES BOAT LIFTS 1
use SHIP LIFTS BLASTING AGENTS RT-- BLASTING -- EXPLOSIVES BOATING 1 UF CANOEING SAILING DEMOLITION DETONATION BLASTING CAPS 4
use CAPS (EXPLOSIVES)
DETONATORS BOATS 1 6 UF AIR BOATS CANOES ROWBOATS BLEEDING (CONCRETE) 3
RT BLEEDING TESTS (CONCRETE)
CRYSTALLIZATION
FRESH CONCRETES TOWBOATS TUGBOATS RT BARGES BOAT-LAUNCHING RAMPS LAITANCE BOATING HYDROFOILS BLEEDING TESTS (CONCRETE) 3 BT CONCRETE TESTS RT BLEEDING (CONCRETE) MARINAS
NAVAL ARCHITECTURE
PONTOONS
-- SHIPS NOTE: Can be blend of Portland
Cement or other materials
either at manufacturing plant or
at the job site
BT CEMENTS
RT PORTLAND DOOR BLENDED CEMENTS SQUAT OF VESSELS use BIOCHENICAL OXYGEN DEMAND NOTE: Undrained or imperfectly drained areas, with a vegetation complex composed of sedges, shrubs, and sphagnum mosses, typically with peat formations; often with an area of open water BT TOPOGRAPHIC FEATURES RT AQUATIC HABITATS FENS HUMUS PORTLAND POZZOLAN CEMENTS PORTLAND SLAG CEMENTS MASONRY CEMENT SLAG CEMENTS BLENDING 2 3 5 BT MIXING NT AGGREGATE BLENDING SOIL BLENDING BATCHING (CONCRETE) PROPORTIONING (CONCRETE)

HUMUS

BOGS (Con.) HUMUS SOILS LAKES MARSHES MUCK MUSKEG ORGANIC SOILS PEAT SURPACE WATERS SWAMPS WATERLOGCED LAND WETLANDS	BOMBS (ORDNANCE) (Con.) FISSION WEAPONS FUSION WEAPONS GUIDED MISSILES HIGH EXPLOSIVE AMMUNITIONMISSILES MUNITION BURSTSMUNITIONS MUNITIONS INDUSTRYMUNITIONS STORAGENUCLEAR WEAPONSORDNANCE
BOILING 7 UF EBULITION BT VAPORIZING RT EVAPORATION VOLATILITY	PROJECTILES PYROTECHNICS SHAPED CHARGES TERMINAL BALLISTICS WARHEADS
BOILS (SAND) 1 2 use SAND BOILS	BOND BREAKING AGENTS 3 use PARTING AGENTS
BOLT TESTS 2 5 BT FIELD TESTS RT ANCHOR BOLTS CRACKING (FRACTURING) JACKING TESTS ROCK BOLTS	BOND (CONCRETE TO CONCRETE) 3 HT BONDING CONSTRUCTION JOINTS MORTAR BOND STRENGTH BOND (CONCRETE TO REINFORCEMENT) HT BOND TO-STEEL TESTS
ROCK STRENGTH SHEAR STRENGTH (ROCK) BOLTED CONNECTIONS 3	BOND (PASTE TO AGGREGATE) 3 RT BONDING
BOLTS 3 BOT FASTENERS	BOND STRESS 3 BT STRESSES RT BONDING
NT ANCHOR BOLTS HIGH STRENOTH BOLTS STRUCTURAL BOLTS RT ANCHORS (FASTENERS) STUDS	BOND- TO-STEEL TESTS 3 BT CONCRETE TESTS RT BOND (CONCRETE TO REIN-FORCEMENT)
BOMB CRATER REPAIRS 2 3 RTMAINTENANCE RUNWAY DAMAGE RUNWAY REPAIRS	BONDING 2 3 5 6 UF BONDING STRENGTH RT ADHESIONANCHORS (STRUCTURE) BOND (CONCRETE TO CONCRETE)
BOMB SHELTERS 2 3 4 use SHELTERS	BOND (CONCRETE TO REINFORCE- MENT) BOND (PASTE TO AGGREGATE)
BOMB TRAJECTORIES 4 BT TRAJECTORIES RT BALLISTIC TRAJECTORIESBOMBS (ORDNANCE)	BOND STRESS CEMENTATION CEMENTS CHEMICAL PROPERTIES COHESION
BOMBARDMENT (ATTACK) 4 RT-ARTILLERY BOMBING	SEALING UNBONDED PRESTRESSING
BOMBER AIRCRAFT 2 4 5	BONDING AGENTS 2 3 5 6 use ADHESIVES
UF ATTACK BOMBERS FIGHTER BOMBERS JET BOMBERS BT AIRCRAFT	BONDING STRENGTH 2 3 5 6 use BONDING
MILITARY AIRCRAFT RT JET AIRCRAFT PATROL AIRCRAFT SUPERSONIC AIRCRAFT TRAINING AIRCRAFT	BOOLEAN ALGEBRA 6 BT MATHEMATICAL LOGIC RTALGEBRA SWITCHING THEORY
BOMBING 4 RT BOMBARDMENT (ATTACK) BOMBS (ORDNANCE) FIRE CONTROL	BORDER SECURITY 5 NOTE: Includes military surveillance of the perimeter of an area BT SECURITY RT-ENVIRONMENTAL ANALYSIS
BOMBS (ORDNANCE) 4 6 BT WEAPONS	MILITARY GEOGRAPHIC INTEL- LIGENCE
NT FIREBOMBS FRAGMENTATION BOMBSINCENDIARY BOMBS	MILITARY OPERATIONS SEISMIC INVESTIGATIONS SENSORS
RT AMMUNITION ATOMIC DEMOLITION MUNITIONS	TERRAIN ANALYSIS
STORAGE BALLISTIC MISSILES BOMB TRAJECTORIES BOMBING EXPLOSIVES	BORED CAISSONS 2 use DRILLED IN CAISSONS

BORED PILES 2 3

NOTE: Piles formed by pouring concrete into a hole placed in the ground by an auger

BT CAST IN-PLACE PILES
CONCRETE PILES
CONCRETE PILES
PILES
UNCASED PILES
NT AUGERED CONCRETE PILES
RT BULB PILES
DRIVEN PILES
FRANKI PILES (UNCASED)
WESTERN PILES (UNCASED)

BOREHOLE CAMERAS 1 2 3

BOTE-HOLE CAMERAS 1 2 3

BT CAMERAS
OPTICAL INSTRUMENTS
PHOTOGRAPHIC EQUIPMENT
RECORDING INSTRUMENTS
NT BOREHOLE TV CAMERAS
RT ACCESSIBLE BORING
BOREHOLE LOGGING
BOREHOLE PHOTOGRAPHY
BOREHOLES
-- SUBSURFACE EXPLORATION

BOREHOLE DEFORMATION GAGES 1 2
BT DEFORMATION GAGES
MEASURING INSTRUMENTS
RT BOREHOLE EXPANSION TESTS
BOREHOLES
ROCK STRESS MEASUREMENT

BOREHOLE DEFORMATION TESTS 2
use BOREHOLE EXPANSION TESTS

BOREHOLE EXPANSION TESTS 2
UF BOREHOLE DEFORMATION TESTS
BT FIELD TESTS
RT BOREHOLE DEFORMATION GAGES
-- MODULUS OF DEFORMATION
-- ROCK DEFORMATION
-- ROCK STRENGTH
-- SHEAR STRENGTH (SOILS)
-- SOIL DEFORMATION
-- SOIL STRENGTH
STRESS- STRAIN CURVES
STRESS- STRAIN RELATIONS
(ROCK)
STRESS- STRAIN RELATIONS

BOREHOLE LOGGING 1 2 3
BT LOGGING
RT ACCESSIBLE BORING
ACCESSIBLE EXPLORATION
--BOREHOLE CAMERAS
BOREHOLE PHOTOGRAPHY
BOREHOLES
BORING LOGS
CALIPER LOGGING
DENSILOGS
ELECTRICAL LOGGING
NUCLEAR LOGGING
WELL LOGGING
WELL LOGGING

(SOILS)

BOREHOLE PHOTOGRAPHY 1 2
BT PHOTOGRAPHY
RT ACCESSIBLE BORING
--BOREHOLE CAMERAS
BOREHOLE LOGGING
--SUBSURFACE EXPLORATION
WELL LOGGING

BOREHOLE TV CAMERAS 1 2
UF DRILL HOLE TV CAMERAS
BT BOREHOLE CAMERAS
CAMERAS
OPTICAL INSTRUMENTS
PHOTOGRAPHIC EQUIPMENT
RECORDING INSTRUMENTS

BOREHOLE TV CAMERAS (Con.)
RT ACCESSIBLE BORING
BOREHOLE LOGGING
SUBSURFACE EXPLORATION
WELL LOGGING

BOREHOLES 1 2 3 4
UF BORINGS
DRILL HOLES
RT AUGER BORING
-- AUGERS
-- BOREHOLE CAMERAS
BOREHOLE LOGGING
-- BORING
-- BORING
BORING LOGS
CORE DRILLING
-- DRILLING
-- DRILLING
-- PRILLING
-- PRILLING
-- FIELD PERMEABILITY TESTS
FOUNDATION INVESTIGATIONS
-- GROUTING
HOLE SPRINGING
SAND DRAIN CONSTRUCTION
SIDEWALL SAMPLERS
-- SUBSURFACE EXPLORATION

BORES (RIVER) 1
NOTE: Waves of water advancing downstream as the result of a cloudburst or sudden release of water from a reservoir UF RIVER BORES
BT WATER WAVES
WAVES
RT HYDRAULIC TRANSIENTS
STANDING WAVES (WATER)
SURGES

BORES (TIDAL) 1
NOTE: Waves of water having a nearly vertical front, such as a tidal wave, advancing upstream as a result of high tides in an estuary UF TIDAL BORES
BT WATER WAVES
WAVES
RT ESTUARIES
HYDRAULIC TRANSIENTS
STANDING WAVES (WATER)
SURGES

TIDAL EFFECTS
--TIDES
WATER LEVELS
BORING 1 2 3 4

BORING 1 2 3 4

NT ACCESSIBLE BORING
AUGER BORING
CALWELD BORING
CALYX BORING
CONTINUOUS SAMPLE BORING
DRIVE TUBE BORING
PENETRATION RESISTANCE
BORING
WASH BORING

RT BENTONITE SLURRY METHOD
BOREHOLES
BORING AND SAMPLING RECORDS
BORING LOGS
-- CASINGS (DRILLING)
DRILL RODS
-- DRILLING

-- CASINGS (DRILLING)
DRILL RODS
-- DRILLING
DRILLING FLUIDS
-- EXCAVATION
FOUNDATION INVESTIGATIONS
-- GEOLOGICAL INVESTIGATIONS

-- GEOLOGICAL INVESTIGATIONS
-- PENETRATION

-- SAMPLERS -- SAMPLING

SOUNDING METHODS (SOILS)
-- SUBSURFACE EXPLORATION

BORING AND SAMPLING RECORDS 2 3 RT--BORING BORING LOGS --LOGGING --SAMPLING

BORING LOGS 1 2 3 UF LOGS (BORING) RT BOREHOLE LOGGING BOREHOLES -- BORING BORING AND SAMPLING RECORDS GROUNDWATER ELEVATION -- LOGGING ROCK CLASSIFICATION -- ROCK PROPERTIES SOIL CLASSIFICATION SOIL LAYERS SOIL LENSES SOIL PROFILES
-- SOIL PROPERTIES SOIL TEXTURE -- STRATIFICATION -- SUBSURFACE EXPLORATION WELL LOGGING WELL LOGS BORINGS 1 2 NOTE: Holes as result of boring, not the samples taken use BOREHOLES ORON 2 3 RT ALLOYS BORON BORON FIBERS BORON FIBERS 2 BORON FIBER REINFORCED PLASTICS GLASS FIBERS GRAPHITE FIBERS -- SYNTHETIC FIBERS BORROW AREAS 1 2 3 5
NT GRAVEL PITS
RT BORROW MATERIAL
DREDGING
EARTH DAM CONSTRUCTION
--EMBANKMENT CONSTRUCTION -- EXCAVATION LEVEE CONSTRUCTION PIT RUN MATERIALS ROCKFILL DAM CONSTRUCTION BORROW MATERIAL 2 3 5 RT-- BORROW AREAS GRAVEL PITS PIT RUN MATERIALS BORROW PITS RT-- EXCAVATION LEVEES BOTANY 2 7
BT BIOLOGY
RT--ENVIRONMENTS -- PLANTS (BOTANY) VEGETATIVE COVER BOTTOM FAUNA USE BENTHIC FAUNA BOTTOM SEDIMENT 1 7
NOTE: Organic and inorganic materials deposited beneath water and upon the original basin or channel floor
BT MARINE DEPOSITS
RT-BEDS -- CLAYS DEPOSITION MUD -- SEDIMENTATION SILTS BOTTOM VEGETATION use BENTHIC FLORA BOTTOM WATER

use HYPOLIMNION

BOULDER CLAY 2 NOTE: Stoney clay showing no distinct stratification and resulting from glacial action C CLAYEY SOILS COHESIVE SOILS GEOLOGICAL DEPOSITS GLACIAL DEPOSITS BOULDERS CLAY GRAVEL GLACIAL CLAYS GLACIAL TILL BOULDERS BT OBSTACLES SURFACE GEOMETRY FACTORS BOULDER CLAY COBBLES CRATER EJECTA DAM FACINGS GLACIERS LITTORAL DEPOSITS MICROGEOMETRY MORAINES -- ROCKS -- STONES UND WATER 1 2 use ADSORBED WATER BOUND WATER BOUND WATER (CONCRETE)
use WATER OF HYDRATION BOUNDARIES (RIGID) use RIGID BOUNDARIES BOUNDARIES (SURFACES) 1
NT AIR-EARTH INTERFACES
AIR-WATER INTERFACES
-EARTH-WATER INTERFACES
FREE SURFACES
ICE-WATER INTERFACES
-ILULIDIOS INTERFACES -- LIQUID-GAS INTERFACES LIQUID-VAPOR INTERFACES MUD-WATER INTERFACES OIL-WATER INTERFACES RIGID BOUNDARIES SALT WATER-FRESHWATER INTERFACES SEDIMENT-WATER INTERFACES RT-BOUNDARY LAYER BOUNDARY PROCESSES FLOW NETS FLOW SEPARATION -- INTERFACES JUNCTIONS PRESSURE DRAG -- PROFILES SHEAR DRAG VISCOSITY BOUNDARY CONDITIONS 1 RT--FLUID FLOW RIGID BOUNDARIES BOUNDARY CURRENTS NOTE: Currents caused by outflow UF LOCAL CURRENTS BT WATER CURRENTS BOUNDARY LAYER DUNDARY LAYER

NT LAMINAR BOUNDARY LAYER
TURBULENT BOUNDARY LAYER
ADSORBED WATER
--BOUNDARIES (SURFACES)
BOUNDARY SHEAR
CRITICAL TRACTIVE FORCE -- DRAG -- FLUID FLOW MOODY RESISTANCE DIAGRAMS REYNOLDS NUMBER RIGID BOUNDARIES SKIN FRICTION

BOUNDARY LAYER FLOW 1
BT FLUID FLOW
RT BOUNDARY LAYER CONTROL
BOUNDARY LAYER STABILITY FLOW DISTRIBUTION REYNOLDS NUMBER BOUNDARY LAYER STABILITY 1
RT BOUNDARY LAYER CONTROL
BOUNDARY LAYER FLOW
REYNOLDS NUMBER BOUNDARY LAYER TRANSITION RT KNUDSEN FLOW -- MOLECULAR FLOW TURBULENT FLOW BOUNDARY PROCESSES RT-BOUNDARIES (SURFACE)
CONVECTION -- EVAPORATION SHEAR DRAG BOUNDARY SHEAR UF WALL SHEAR
RT-BOUNDARY LAYER
CRITICAL TRACTIVE FORCE
FLOW DISTRIBUTION FLUID RESISTANCE LAMINAR BOUNDARY LAYER RESISTANCE COEFFICIENTS REYNOLDS NUMBER RIGID BOUNDARIES SKIN FRICTION TRACTIVE FORCES
TURBULENT BOUNDARY LAYER
TURBULENT FLOW BOUNDARY VALUE PROBLEMS 6 BT DIFFERENTIAL EQUATIONS

BOUNDARY VALUE PROBLEMS 6
BT DIFFERENTIAL EQUATIONS
PARTIAL DIFFERENTIAL
EQUATIONS
REAL VARIABLES

BOURDON GAGES 2 3
NOTE: Indicate pressure
differences by means of a
sealed, curved, flattened,
hollow tube
UF BOURDON TUBES
BT MEASURING INSTRUMENTS
PRESSURE GAGES

BOURDON TUBES 2
use BOURDON GAGES

BOW WAVES 1 use SHIP WAVES

BOWING 6 use BENDING

BOX BEAMS 2 3 4
BT BEAMS (SUPPORTS)
STRUCTURAL MEMBERS
RT CANTILEVER BEAMS
--CONCRETE BEAMS
CONTINUOUS BEAMS
--GIRDERS

BOX CAISSONS 1 2 use FLOATING CAISSONS

BOXES (WEIRS) 1 use WEIR PONDS

BOYDON TURBINES 1
BT HYDRAULIC TURBINES
REACTION TURBINES
RT FOURNEYRON TURBINES

BRACED COFFERDAMS 1 2
BT COFFERDAMS
DAMS
BANK PROTECTION
-- BRACINGS
-- SHEET PILES
SHEETING

BRACED EXCAVATION 2
BT EXCAVATION
RT-BRACINGS
--EARTH PRESSURE
SAFETY
SHEETING
SOLDIER BEAMS
TRENCH BRACING
TUNNEL CONSTRUCTION

BRACINGS 2

NOTE: Supporting members which are used in the strengthening of a structure

BT STRUCTURAL MEMBERS

NT SOLDIER BEAMS
STRUTS
WALES (CONSTRUCTION)

RT ANCHORING
--ANCHORS (STRUCTURES)
--BEAMS (SUPPORTS)
--BRACED COPPERDAMS
--BRACED COPPERDAMS
--BRACED EXCAVATION
--EXCAVATION
--POUNDATION CONSTRUCTION
LAGGING
SAPETY
--SHEET PILES
SHEETING
SHORING
--SUPPORTS
TIMBERS
TRENCH BRACING
TUNNEL CONSTRUCTION
UNDERPINNING

BRACKISH WATER 1 2 7
NOTE: Mixture of fresh and salt water
UF SALINE WATER
BT SALT WATER
ACID MINE WATER
-- ACIDIC WATER
FRESH WATER
-- OROUNDWATER
-- MINE WATERS
SEA WATER
-- SURFACE WATERS
WATER POLLUTION SOURCES

BRAIDED STREAM DEPOSITS 1 2
BT ALLUVIUM
GEOLOGICAL DEPOSITS
RT ALLUVIAL STREAMS
BRAIDED STREAMS
DELTAIC DEPOSITS

BRAIDED STREAMS 1 2
BT STREAMS
RT ALLUVIAL FANS
BRAIDED STREAM DEPOSITS
DEPOSITION
MEANDERING STREAMS
--RIVERS

BRAKES 5
use BRAKING (ARRESTING MOTION)

BRAKING (ARRESTING MOTION)
UP BRAKES
RT DRAG
MOTION RESISTANCE

BRANCHES 1
NT-BIFURCATIONS
TRIFURCATIONS
RT-CANALS
FLOW DISTRIBUTION
LATERALS
- PIPELINES
VELOCITY DISTRIBUTION

BREACHES (DAMS) 1 2 3 4

BRIDGE ABUTMENTS 1 2 3
BT ABUTMENTS
RT BRIDGE ANCHORAGES
BRIDGE FOUNDATIONS
BRIDGE PIERS
BRIDGE WATERWAYS BREAKERS (WATER WAVES)
UF BREAKING WAVES SURF WATER WAVE BREAKING WATER WAVES WAVES BEACHES OCEAN WAVES SURF BEATS SURF ZONE -- BRIDGES BRIDGE ANCHORAGES 2 3 RT-- ANCHORS (STRUCTURAL) BRIDGE ABUTMENTS BRIDGE FOUNDATIONS SURFING BRIDGES
PULL-OUT RESISTANCES AND BREAKING WAVES 1
use BREAKERS (WATER WAVES) TESTS BREAKWATERS 1 2 3 REAKWATERS 1 2 3
UP MOLES
BT MARINE STRUCTURES
DETACHED BREAKWATERS
DETACHED BREAKWATERS
HYDRAULIC BREAKWATERS
MOBILE BREAKWATERS
PNEUMATIC BREAKWATERS
RUBBLE-MOUND BREAKWATERS
RUBBLE-MOUND BREAKWATERS
TSUNAMI BARRIERS
VERTICAL WALL BREAKWATERS
RT-BARRIERS
BEACH EROSION BRIDGE BEARINGS BT BEARINGS RT-- BRIDGES BRIDGE DECKS 3 UF BRIDGE FLOORS RT BRIDGE FAILURES -- BRIDGES -- CONCRETE BRIDGES
CONCRETE DURABILITY METAL DECK FORMS BEACH EROSION -- PAVEMENTS - CAISSONS
COASTAL ENGINEERING
- COASTAL STRUCTURES
HARBOR ENGINEERING
HARBOR STRUCTURES BRIDGE FAILURES 1 2 3 4 BT FAILURES RT BRIDGE DECKS -- BRIDGES -- CONCRETE BRIDGES HARBORS
-- OCEAN WAVES
-- PIERS (DOCKS)
-- RIPRAP
SEA WALLS
-- SHEET SLLES
SHORE PROJECTION
SHORE STRUCTURES DISASTERS FOUNDATION FAILURES SCOUR BRIDGE FLOORS use BRIDGE DECKS TETRAHEDRONS BRIDGE FOUNDATIONS 1 2 3 BT FOUNDATIONS
RT BRIDGE ABUTMENTS
BRIDGE ANCHORAGES
BRIDGE PIERS TETRAPODS TETHAPODS
WATER WAVE ACTION ON
MARITIME STRUCTURES
-- WATER WAVE MODELS
WATER WAVE RUN- UP
WATER WAVES -- BRIDGES CAISSON FOUNDATIONS
-- DEEP FOUNDATIONS BREATHING APPARATUS RT DIVING SUITS UNDERWATER FOUNDATIONS RECCIA 2 3
NOTE: Group of rocks consisting of angular fragments in a finer grained matrix
BT ROCKS
HT INTERNAL BRIDGE PIERS 1 2 3
BT PIERS (SUPPORTS)
RT BRIDGE ABUTMENTS
BRIDGE FOUNDATIONS
BRIDGE WATERWAYS BRECCIA BRIDGES IGNEOUS BRECCIA
METAMORPHIC BRECCIA
SEDIMENTARY BRECCIA
CONGLOMERATE -- BULKHEADS FENDERS FLOW AROUND BRIDGE PIERS SCOUR SANDSTONES SPILLWAY CREST PIERS UNDERWATER FOUNDATIONS BREEDER REACTORS 7 NOTE: Nuclear reactors that produce more fuel than they BRIDGE WATERWAYS RT BRIDGE ABUTMENTS BRIDGE PIERS consume -- BRIDGES BRICK CONSTRUCTION BT CONSTRUCTION RT--MASONRY BRIDGES 1 2 3 4 5 NT ARCH BRIDGES BAILEY BRIDGES CANTILEVER BRIDGES MORTARS (MATERIAL) CANTILEVER BRIDGES
-CONCRETE BRIDGES
GIRDER BRIDGES
HIGHWAY BRIDGES
MILITARY BRIDGES
MOVABLE BRIDGES
PONTOON BRIDGES BRICKS 2 3 BT STRUCTURAL CLAY PRODUCTS CONCRETE BRICKS FIREBRICKS SAND-LIME BRICKS CERAMIC MATERIALS -- CLAYS PRESTRESSED CONCRETE KAOLIN BRIDGES -- MASONRY MASONRY DAMS RAILROAD BRIDGES RIGID FRAME BRIDGES SKEW BRIDGES MASONRY WALLS MORTARS (MATERIAL)

BROAD-CRESTED WEIRS (Con RT CIPOLLETTI WEIRS DISCHARGE MEASUREMENT FLOW MEASUREMENT RECTANGULAR WEIRS BRIDGES (Con.) (Con.) SUSPENSION BRIDGES TRUSS BRIDGES TRUSS BRIDGES
BRIDGE ABUTMENTS
BRIDGE ANCHORAGES
BRIDGE BEARINGS
BRIDGE DECKS
BRIDGE FAILURES
BRIDGE FOUNDATIONS
BRIDGE PIERS
BRIDGE WATERWAYS
CAUSEWAYS SHARP CRESTED WEIRS
SUBMERGED WEIRS
VEE- NOTCHED WEIRS
WEIR CRESTS
WEIR PONDS CAUSEWAYS
CIVIL ENGINEERING
--CULVERTS
--HIGHWAY STRUCTURES BROOKS 1 2 use STREAMS BROOMING OOMING 3
use CONCRETE FINISHING
(FRESH CONCRETE) MILITARY ENGINEERING OVERPASSES PONTOONS RAILROAD ENGINEERING BROWN ALGAE 7
use PHAEOPHYTA RAMPS ROAD ENGINEERING - ROADS STREAM CROSSINGS BROWNIAN MOVEMENT 1 2 3 BT COLLOIDAL PROPERTIES RT--DIFFUSION DISPERSION (SOILS) STRUCTURAL ENGINEERING
-- TRANSPORTATION TRESTLES UNDERPASSES PARTICLES SUSPENDED LOAD VIADUCTS BROWSE UTILIZATION BRINE DISPOSAL 1 7
use WASTE WATER DISPOSAL NOTE: Shoots, twigs and leaves of trees and shrubs eaten by cattle or other large herbi-BRINES RINES 1 3 7 NOTE: Concentrated solution, vores, e.g. deer
CARRYING CAPACITY
FOREST MANAGEMENT
RANGES
SHRUBS especially of chloride salts T SALT WATER WATER RT COOLANTS SALINITY WILDLIFE SALT VELOCITY METHOD
(DISCHARGE MEASUREMENT)
SALT WATER BARRIERS
SEA WATER BUBBLE PRESSURE I 2
NOTE: Pressure within a bubble
of gas in a liquid
UF AIR ENTRY VALUES
BT PRESSURE
RT BUBBLES RT-- EXPEDIENT CONSTRUCTION
MILITARY ROADS
RAPID ROAD CONSTRUCTION
-- SOIL STABILIZATION BRIQUETS CAPILLARY TUBES FILTER STONES POROUS MATERIALS BUBBLE SCREENS 1
UF AIR BUBBLE CURTAINS
PNEUMATIC BARRIERS
RT PNEUMATIC BREAKWATERS BRITTLE FAILURE 2 3 4
UF BRITTLE FRACTURES
BT FAILURE (MECHANICS)
RT BRITTLENESS FAILURE (MECHANICS) BRITTLENESS CONCRETE STRENGTH FRACTURE MECHANICS FRACTURE OF SOLIDS BUBBLES UF AIR BUBBLES
GAS BUBBLES
RT AFRATION IMPACT TESTS
PROGRESSIVE FAILURE RT AERATION ROCK FRACTURE -- ROCK STRENGTH AIR CHAMBERS AIR DEMAND AIR ENTRAINING AGENTS AIR ENTRAINMENT BRITTLE FRACTURES use BRITTLE FAILURE AIR ENTRAINMENT (WATER)
AIR TRAPS
AIR-WATER INTERPACES
BUBBLE PRESSURE BRITTLENESS 2 3 4 6
BT FRACTURE PROPERTIES
MECHANICAL PROPERTIES
RT BRITTLE PAILURE
--CERAMIC MATERIALS
CLEAVAGE STRENGTH (ROCK)
--COMPRESSIVE PROPERTIES
--CONCRETE STRENGTH
FRACTURE MECHANICS
PRACTURE OF SOLIDS
--HARDNESS CAVITATION ENTRAPPED AIR FOAM FOAMING AGENTS LIQUID VAPOR INTERPACES
-- VOIDS -- GASES WAKES HARDNESS HIGH TEMPERATURE TESTS IMPACT STRENGTH IMPACT TESTS BUCKET AUGERS 2 BT AUGERS EXPLORATION SAMPLERS LOW TEMPERATURE TESTS
-- ROCK PROPERTIES
-- ROCK STRENOTH
-- TENSILE PROPERTIES POWER AUGERS SAMPLERS SOIL SAMPLERS BUCKET CONVEYORS 1 2 3 BT CONSTRUCTION EQUIPMENT BROAD- CRESTED WEIRS 1

CONVEYORS

BUILDING CODES (Con.)
LITIGATION
--LOADS (FORCES)
SAFETY
SAFETY ENGINEERING
SAFETY FACTOR
--SPECIFICATIONS BUCKET CONVEYORS (Con.)
EARTH HANDLING EQUIPMENT MATERIALS HANDLING EQUI PMENT RT BUCKETS (CONCRETE)
-- CONCRETE PLACING -- DAM CONSTRUCTION BUCKETS (CONCRETE) 3
NOTE: Used for conveying concrete
RT BUCKET CONVEYORS
--CONCRETE PLACING -- STRUCTURAL DESIGN WIND PRESSURE BUILDING ESTIMATES use CONSTRUCTION COSTS BUILDING MATERIALS 1 2 3 5 use CONSTRUCTION MATERIALS BUCKETS (SPILLWAYS)
use SPILLWAY BUCKETS BUILDING RESEARCH RT CONSTRUCTION 3 6 BUCKLING BT BENDING RT CONCRETE DEFORMATION BUILDING SITES 2
NT DAM SITES
RT LAUNCHING SITES
RESERVOIR SITES -- DEFORMATION
DISTORTION (STRUCTURAL)
-- FAILURE (MECHANICS) -- STRAINS -- SITE PREPARATION TORSION WARPAGE (CONSTRUCTION) JILDINGS 1 2 3 4 6
MT AUDITORIUMS
--COMMERCIAL BUILDINGS
DAIRY BUILDINGS
--PARM BUILDINGS BUCKLING (PILES) 2 3 RT-- DEFLECTION -- FAILURES -- PILE BEARING CAPACITY
-- PILE DRIVING GARAGES
HANGARS
HOSPITALS
INDUSTRIAL BUILDINGS
OFFICE BUILDINGS
PREFABRICATED BUILDINGS
- PUBLIC BUILDINGS
- PUBLIC BUILDINGS
SCHOOL BUILDINGS
SKYSCRA PERS
WAKEHOUSES GARAGES PILE ECCENTRICITIES -- PILES BUCKLING (PIPES)
use PIPE FAILURES BUCKSHOT CLAY
use GUMBO SOIL BUDGETING WAREHOUSES UF BUDGETS RT ACCOUNTING RT-- ARCHES ARCHITECTURE -- ALLOCATIONS APPROPRIATIONS (FISCAL) ARCHITECTURE
BUILDING CODES
--CIVIL ENGINEERING
CONSTRUCTION
--DOMES (STRUCTURAL
PORMS)
EARTHQUAKE RESISTANT
STRUCTURES
FACINGS CAPITAL
COST ALLOCATION
COST CONTROL
COST OVERRUNS
COST SHARING
ESTIMATES -- FORECASTING -- FLOORS -- FOUNDATIONS PROFITS PROPOSALS REAL PROPERTY ROOPS BUDGETS -- SHELLS (STRUCTURAL FORMS) use BUDGETING -- SHELTERS STAIRWAYS -- TOWERS use SURFACE DEFECTS (CONCRETE) -- WALLS ULDING 1 2 3 4 5 6 use CONSTRUCTION BULB PILES 2 3

UF COMPACTED CONCRETE PILES
PEDESTAL PILES
BT CAST IN PLACE PILES
CONCRETE PILES
CONCRETE PRODUCTS
PILES BUILDING UILDING CODES 1 2 3 6

NOTE: Regulations, collectively adopted by a city, to govern the construction of buildings
BT STANDARDS
RT-BEARING CAPACITY
-- BUILDINGS BUILDING CODES CONCRETE PRODUCTS
PILES
RT-BORED PILES
FRANKI PILES (CASED)
FRANKI PILES (UNCASED)
UPLIFT PILES
WESTERN PILES (UNCASED) -- COMMERCIAL BUILDINGS -- CONSTRUCTION CONSTRUCTION METHODS CONTRACTS BULB TURBINES 1
BT HYDRAULIC TURBINES
TURBINES CRITERIA
-- DESIGN
DESIGN CRITERIA
DESIGN DATA
DESIGN PRACTICES
DESIGN STANDARDS ULK DENSITY 2 3

NOTE: Weight in air of a unit volume of material including both permeable and impermeable voids normal to the material UP APPARENT DENSITY
BT DENSITY (MASS/VOLUME) BULK DENSITY EARTHQUAKE ENGINEERING FLOODPLAIN ZONING -- FOUNDATIONS

BULK HANDLING 3
RT BULK TRANSPORTATION
-- CONVEYING
MATERIALS HANDLING BULK MODULUS 2 3
NOTE: Ratio of stress to
change in volume of a material subjected to axial loading
UF BULK MODULUS OF ELASTICITY
BT MECHANICAL PROPERTIES
RT CONSTRAINED MODULUS
HYDROSTATIC COMPRESSION TESTS
-- MODULUS OF DEFORMATION POISSON RATIO SHEAR MODULUS STRESS-STRAIN CURVES
--STRESS-STRAIN RELATIONS
THEORY OF ELASTICITY
VOLUMETRIC STRAIN BULK MODULUS OF ELASTICITY 2 3 use BULK MODULUS BULK SPECIFIC GRAVITY 2 3 use SPECIFIC GRAVITY BULK TRANSPORTERS NOTE: Excludes long distance freight transportation BT MATERIALS HANDLING EQUIPMENT BULK HANDLING CONCRETE MIXERS -- CONVEYORS -- TRUCKS BULKHEAD GATES BT HYDRAULIC GATES RT-- BULKHEADS FIXED WHEEL GATES GATE HOISTS HEADS 1 2 3 WALLS ANCHORED BULKHEADS BULKHEADS HANGHORED BULKHEADS
I BRIDGE PIERS
BULKHEAD GATES
--COASTAL STRUCTURES
--COFFERDAMS -- DOCKS -- EARTH PRESSURE -- EARTH PRESSURE
- HARBOR STRUCTURES
HORIZONTAL LOADS
IMPERVIOUS CUTOFFS
QUAY WALLS
- RETAINING WALLS
SEA WALLS
SHEET PILING
SHORE PROTECTION
TIMBER CONSTRUCTION
WATER WAVE RUNUP
WHARWES BULKING 2 3
NOTE: Increasing bulk volume
of material
RT-ROCKS JLLDOZERS 2 5
NOTE: Tractor equipped with a front pusher blace
BT CONSTRUCTION EQUIPMENT
EARTH HANDLING EQUIPMENT BULLDOZERS

RT-- CLEARING CRAWLER TRACTORS CUTTING BLADES

-- LAND CLEARING VEHICLES
-- LOGGING VEHICLES

GRADERS

OZERS (Con.) SCRAPERS SOIL CUTTING STRIPPING BULLDOZERS WHEELED TRACTORS BULLET WOUNDS use GUNSHOT WOUNDS BUNKERS (FORTIFICATIONS) RT--FORTIFICATIONS BUOY LIGHTS 1
BT NAVIGATION AIDS
RT BUOYS BUOYANCY 1 2
NOTE: Upward pressure exerted
by the fluid on a body wholly
or partly immersed in it
RT--DENSITY (MASS/VOLUME)
FLOATING CAISSONS
FLOATING FOUNDATIONS
FLOATING LANDING MATS -- FLOTATION -- MECHANICAL PROPERTIES UPLIFT PRESSURE BUOYANT FOUNDATIONS 2 3 use FLOATING FOUNDATIONS BUOYANT MATERIALS 6 BUOYANT SCREW VEHICLES
UF MARSH SCREW VEHICLE
BT AMPHIBIOUS VEHICLES OFF-ROAD VEHICLES UNCONVENTIONAL VEHICLES BUOYANT UNIT WEIGHT use SUBMERGED DENSITY BUOYS RT BUOY LIGHTS
FLOATS
NAVIGATION AIDS WARNING SYSTEMS BURGERS MODEL MODELS RHEOLOGICAL MODELS KELVIN MODEL MAXWELL MODEL BURIED ARCHES 2 3 4 5 BT ARCHES
BURIED OBJECTS
RT BURIED CYLINDERS
BURIED DOMES
BURIED PLATES - CONDUITS -- TUNNELS -- UNDERGROUND STRUCTURES BURIED CONDUITS 2 3 4 5 use UNDERGROUND CONDUITS BURIED CYLINDERS 2 BT BURIED OBJECTS CYLINDERS 2 3 4 5 RT BURIED ARCHES BURIED DOMES BURIED PLATES -- CONDUITS -- PIPES -- UNDERGROUND STRUCTURES BURIED DOMES 2 3 4
BT BURIED OBJECTS
DOMES (STRUCTURAL FORMS)
RT BURIED ARCHES
BURIED CYLINDERS
BURIED PLATES

-- UNDERGROUND STRUCTURES

BURIED IRRIGATION SYSTEMS
BT DISTRIBUTION SYSTEMS
(WATER)
IRRIGATION SYSTEMS
RT BURIED PIPES
CAST-IN-PLACE PIPES
GATE VALVES
--PIPELINES
TURNOUTS

BURIED MEMBRANES 1 2
BT MEMBRANES
RT CANAL LININGS
-- CURTAINS
IMPERVIOUS CUTOFFS
IMPERVIOUS LININGS
IMPERVIOUS MEMBRANES
MEMBRANES (LININGS)
UNDERSEEPAGE COMPROL

BURIED OBJECTS 3 4

NT BURIED ARCHES
BURIED CYLINDERS
BURIED DOMES
BURIED PLATES

RT-- UNDERGROUND STRUCTURES

BURIED PIPES 1
BT CLOSED CONDUITS
CONDUITS
PIPES
RT ASBESTOS CEMENT PIPES
BURIED IRRIGATION SYSTEMS
CAST IN PLACE PIPES
CONCRETE PIPES
PIPELAYING
-- PIPELINES
SIPHONS

BURIED PLATES 2 3 4
BT BURIED OBJECTS
PLATES (STRUCTURAL
MEMBERS)
RT BURIED ARCHES
BURIED CYLINDERS
BURIED DOMES
-- UNDERGROUND STRUCTURES

BURIED STRUCTURES 2 3 4 5 use MOUNDED STRUCTURES UNDERGROUND STRUCTURES

BURNING RATE 4
RT BURNING TIME
COMBUSTION
--EXPLOSIVES
FLAME PROPAGATION
--PROPELLANTS

BURNING TIME 4
RT BURNING RATE
COMBUSTION
-- PROPELLANTS

BURNS (INJURIES) 4 7
BT INJURIES
RT FIRES
RADIATION INJURIES

BURROWING ANIMALS 1 2 RT CANAL EMBANKMENTS -- DAM FAILURES LEVEE FAILURES BURROWS 1
RT BANK PROTECTION
BANK STABILITY
-- TUNNELS

BURSTING CHARGES 4
BT EXPLOSIVE CHARGES
RT AMMUNITION COMPONENTS
DEMOLITION CHARGES
DETONATING CORD

BUSH HAMMERING 3 use CONCRETE FINISHES (HARDENED CONCRETE)

BUTTERFLY VALVES 1
BT HYDRAULIC VALVES
VALVES
RT CHECK VALVES
FLAP VALVES
HOLLOW JET VALVES
- OUTLET WORKS
-- PNEUMATIC VALVES

BUTTRESS DAMS 1 2 3 4
BT DAMS
RT BUTTRESSED WALLS
--CONCRETE DAMS
GRAVITY DAMS
MASONRY DAMS

BUTTRESSED WALLS 2
BT RETAINING WALLS
WALLS
RT BUTTRESS DAMS
CANTILEVER WALLS
COUNTERFORT WALLS

BUTTRESSES 2 use COUNTERFORTS

BYPASS VALVES 1 BT VALVES RT--PNEUMATIC VALVES

BYPASSES 1
NOTE: Channels or arrangements
of pipes, conduits, gates,
and valves whereby the flow
may be passed around a hydraulic structure or appurtenance
UF BYPASSING
RT- CHANNELS
CHUTES
--CONDUITS
--DITCHES
DIVERSION CHANNELS
DIVERSION STRUCTURES
DIVERSION STRUCTURES
DIVERSION WORKS
FLOODWAYS
--FLUMES (WATER CONVEYANCE
STRUCTURES)
RIVER CUTOFFS
RIVER TRAINING
--ROUTING
--SPILLWAYS

BYPASSING 1 use BYPASSES

C HORIZON 2	CALCAREOUS ROCKS (Con.)
use SOIL HORIZONS	CORALCRETACEOUS PERIOD
CAB VEHICLES 1	KARST
use CAPTURED AIR BUBBLE VEHICLES	MARL REEFS
CABLE TOOL CORE BARRELS 2	
use PERCUSSION CORE BARRELS	CALCAREOUS SOILS 2 3 5 NT CALICHE
CABLE TOOL DRILLING 2	MARL
use PERCUSSION DRILLING	RT ALKALINE SOILSCALCAREOUS ROCKS
CABLE TOOL DRIVE SAMPLERS 2	CALCIUM
use PERCUSSION DRIVE SAMPLERS	CALCIUM CARBONATES CALCIUM COMPOUNDS
CABLES 1	CARBONATES
NT UNDERWATER CABLES RT STREAM GAGING STATIONS	LOESS
RI SIREAM GAGING STATIONS	CALCITE 2 3
CADASTRAL SURVEYS 1 RT RIGHT OF WAY	NOTE: Most common form of natural
RI RIGHT OF WAI	calcium carbonate BT CALCIUM CARBONATES
CADIUM 3 6 7 BT HEAVY METALS	CARBONATE MINERALS
METALS METALS	MINERALS RTCALCAREOUS ROCKS
	CAVE DEPOSITS
CAISSON DRILLING MACHINES 2 use CAISSON EXCAVATORS	CHALKS DOLOMITE
	LIMESTONES
CAISSON EXCAVATORS 2 UF CAISSON DRILLING MACHINES	MARBLE MARL
BT CONSTRUCTION EQUIPMENT	
EARTH HANDLING EQUIPMENT EXCAVATORS	CALCIUM 2 3 RT ALKALINE SOILS
RT BENOTO METHOD	CALCAREOUS ROCKS
MECHANICAL BORERS	CALCAREOUS SOILS CALCIUM COMPOUNDS
CAISSON FOUNDATIONS 2 3 BT DEEP FOUNDATIONS	CARBONATES
FOUNDATIONS	CALCIUM ACETATE 3
RT BRIDGE FOUNDATIONSCAISSONS	BT CALCIUM COMPOUNDS
DRILLED PIER FOUNDATIONS	CALCIUM ACRYLATE GROUTS 2 3
PILE FOUNDATIONS UNDERWATER FOUNDATIONS	BT CHEMICAL GROUTS GROUTS
	RTCALCIUM COMPOUNDS
CAISSONS 1 2 3 NOTE: Pertains to foundation	CALCIUM ALUMINATE CEMENTS 2 3
construction	USE ALUMINATE CEMENTS
NT DRILLED-IN CAISSONS FLOATING CAISSONS	CALCIUM ALUMINATES 2 3
OPEN CAISSONS	BT ALUMINATES
PNEUMATIC CAISSONS RTBREAKWATERS	ALUMINUM INORGANIC COMPOUNDS CALCIUM COMPOUNDS
CAISSON FOUNDATIONS	SALTS
COFFERDAMSDEEP FOUNDATIONS	RT ALUMINATE CEMENTS PORTLAND CEMENT COMPOUND
FOUNDATION CONSTRUCTION	COMPOSITION
POUNDATIONSOFFSHORE STRUCTURES	CALCIUM ALUMINOFERRITES 2 3
PIERS (SUPPORTS)	BT CALCIUM COMPOUNDS
UNDERWATER CONSTRUCTION UNDERWATER FOUNDATIONS	CALCIUM ALUMINOSILICATES 3
WHARVES	BT ALUMINUM INORGANIC COMPOUNDS
CALCAREOUS ROCKS 2 3	CALCIUM COMPOUNDS
NOTE: Rocks containing calcium carbonate (CaCO3)	CALCIUM CARBONATES 2 3 BT CALCIUM COMPOUNDS
BT ROCKS	CARBONATES
SEDIMENTARY ROCKS NT CHALKS	SALTS NT CALCITE
COQUINA	RTCALCAREOUS ROCKS
DOLOMITE LIMESTONES	CALCAREOUS SOILS CARBONATE MINERALS
MARBLE	CARBONATION
RT ATOLLSCALCAREOUS SOILS	CHALKS CORAL
CALCITE	DOLOMITE
CALCIUMCALCIUM CARBONATES	LIME LIMESTONES
CALCIUM COMPOUNDS	MARBLE
CALICHECARBONATE MINERALS	MARL
CARBONATES	CALCIUM CHLORIDES 1 2 3
	BT CALCIUM COMPOUNDS CHLORIDES

CALCIUM SILICATES (Con.)
JOOSTEN PROCESS
PORTLAND CEMENT COMPOUND CALCIUM CHLORIDES (Con.) SALTS ACCELERATING AGENTS COMPOSITION
--PORTLAND CEMENTS
--SILICATE MINERALS DESICCATION DRILLING FLUIDS DUST CONTROL JOOSTEN PROCESS WATER LOSS CALCIUM SULFATE (ANHYDROUS) 3 use ANHYDRITE CALCIUM COMPOUNDS 2 3 CIUM COMPOUNDS 2 3
T ANTYDRITE
CALCIUM ACETATE
CALCIUM ALUMINATES
CALCIUM ALUMINOSILICATES
CALCIUM ALUMINOSILICATES
CALCIUM CARBONATES
CALCIUM CHLORIDES
CALCIUM FERRITES
CALCIUM HYDROXIDES
CALCIUM HYDROXIDES
CALCIUM OXIDES
CALCIUM SILICATES
--CALCIUM SULFATES
CALCIUM SULFATES
CALCIUM SULFATES
CALCIUM SULFATES
CALCIUM SULFATES
CALCIUM SULFOALUMINATES
GYPSUM CALCIUM SULFATE (HEMIHYDRATE)
use HEMIHYDRATE CALCIUM SULFATES 2 3 BT CALCIUM COMPOUNDS SALTS SULFATES NT ANHYDRITE GYPSUM RT GYPSUM CEMENTS PLASTER -- PORTLAND CEMENTS RETARDANTS SULFUR SUPERSULFATED CEMENT GYPSUM HEMIHYDRATE LIME RT ALUMINATE CEMENTS CALCIUM SULFOALUMINATES -- CALCAREOUS ROCKS -- CALCAREOUS SOILS BT ALUMINUM INORGANIC COMPOUNDS CALCIUM CALCIUM ACRYLATE GROUTS RT -- EXPANSIVE CEMENTS -- CARBONATE MINERALS CARBONATION CALCULATING MACHINES
USE CALCULATORS CORAL LIMESTONES CALCULATORS 2 6
UF CALCULATING MACHINES
RT ARITHMETIC CALCIUM PERRITES 3 BT CALCIUM COMPOUNDS FERRITES COMPUTATION -- COMPUTERS IRON INORGANIC COMPOUNDS PORTLAND CEMENT COMPOUND DIGITAL COMPUTERS NUMERICAL CALCULATIONS COMPOSITION SLIDE RULES CALCIUM HYDRATE 2
USe CALCIUM HYDROXIDES CALCULUS 6
NOTE: Mathmatics concerned with
limits and real functions
BT REAL VARIABLES CALCIUM HYDROXIDES 2 3
UF CALCIUM HYDRATE
CAUSTIC LIME
HYDRATED LIME DIFFERENTIAL CALCULUS FOURIER SERIES POURIER SERIES
INFINITE SERIES
INTEGRAL CALCULUS
OPERATIONAL CALCULUS
VECTOR ANALYSIS
RT--ANALYTIC GEOMETRY
CALCULUS OF VARIATION
DIFFERENTIAL EQUATIONS
--POURIER ANALYSIS SLAKED LIME CALCIUM COMPOUNDS HYDROXIDES RT CALCIUM OXIDES -- CEMENTS LIME LIME SOIL STABILIZATION MORTARS (MATERIAL)
--WATER CHEMISTRY CALCULUS OF VARIATIONS VARIATIONAL CALCULUS REAL VARIABLES CALCIUM NITRATES BT NITRATES SALTS CALCULUS DIFFERENTIAL EQUATIONS RT CARBON-14 INTEGRAL CALCULUS INTEGRAL EQUATIONS CALCIUM OXIDES 2 3 BT CALCIUM COMPOUNDS OPERATIONAL CALCULUS OXIDES CALCIUM HYDROXIDES RT DEAD LOAD TESTERS -- INSPECTION LOAD CELLS CALCIUM PHOSPHATES 3
BT CALCIUM COMPOUNDS
PHOSPHORUS INORGANIC --MEASUREMENT --MEASURING INSTRUMENTS PROVING FRAMES COMPOUNDS --STANDARDS CALCIUM SILICATES 2 3
BT CALCIUM COMPOUNDS
SALTS
SILICATES
SILICON COMPOUNDS
NT TOBERMORITE CALICHE 2 3 5
Note: Whitish lime deposit found
near the base of the upper soil
layer in semi-arid regions
BT CALCAREOUS SOILS

RT--CHEMICAL SOIL STABILIZATION

CALCAREOUS SOILS

CALIFORNIA BEARING RATIO 2 5 UF CBR (PAVEMENTS) BT SOIL PROPERTIES RT AIRFIELD INDEX BASE COURSES CALIFORNIA BEARING RATIO CONE INDEX
FLEXIBLE PAVEMENT DESIGN (AIRFIELDS)
FLEXIBLE PAVEMENT DESIGN
(HIGHWAYS)
--PAVEMENT DESIGN SOIL STRENOTH CALIFORNIA BEARING RATIO TESTS 2 5 NOTE: Strength versus penetration at any given inch compared with previously set compared with previously set
standards
BT SOIL PEMETRATION TESTS
RT CALIFORNIA BEARING RATIO
--FIELD CONTROL TESTS (SOILS)
--FIELD TESTS
FLEXIBLE PAVEMENT DESIGN
(AIRFIELDS)
FLEXIBLE PAVEMENT DESIGN
(HIGHWAYS)
SOIL PEMETRATION
--SOIL TESTS (LABORATORY) CALIFORNIA PIPE METHOD 1 NOTE: Method of discharge measurement UP VAN LEER WEIR BT DISCHARGE MEASUREMENT WEIRS
RT FLOW MEASUREMENT
PIPE FLOW CALIPER LOGGING BT LOGGING RT BOREHOLE L BOREHOLE LOGGING WELL LOGGING CALORIFIC VALUE RT--CHEMICAL ANALYSIS CALORIMETERS 3 6 7
BT MEASURING INSTRUMENTS
THERMAL MEASURING INSTRUMENTS
RT HEAT MEASUREMENT
HEAT OF HYDRATION
PYROMETERS -TEMPERATUE MEASURING INSTRUMENTS -- THERMAL MEASUREMENTS THERMOMETERS CALORIMETRY 3 6 7
use HEAT MEASUREMENT CALWELD BORING BT BORING RT CALDWELD RIGS CALWELD RIGS 2
RT CALWELD BORING
MECHANICAL BORERS CALYX BORING 2 3 UP SHOT CORE BORING UF BORING CORE DRILLING --CORES --DRILLING SHOT CORE BARRELS

CALICHE (Con.)
RT ALKALINE SOILS
--CALCAREOUS ROCKS

HARDPAN

CAMBER RT-BENDING
CONCRETE DEFORMATION
CURVED BEAMS
--DEFLECTION -- DEFORMATION WARPAGE CAMBRIAN PERIOD 2 BT PALEOZOIC ERA CAMERAS 1 2 3 6
BT OPTICAL INSTRUMENTS
PHOTOGRAPHIC EQUIPMENT
RECORDING INSTRUMENTS
NT--BOREHOLE CAMERAS
BOREHOLE TV CAMERAS RT LENSES --MAPPING PHOTOELASTIC METHODS PHOTOGEOLOGY PHOTOGRAMMETRY PHOTOGRAPHS -- PHOTOGRAPHY REMOTE SENSING UNDERWATER TELEVISION CAMERAS (HIGH SPEED) 1 use HIGH SPEED PHOTOGRAPHY CAMOUFLAGE 5 6
BT SECURITY
RT MILITARY GEOGRAPHIC INTELLIGENCE
--MILITARY OPERATIONS
MILITARY SCIENCE
REMOTE SENSING
TUNNEL DETECTION
VISIBILITY CAMPING MPING 7
BT RECREATION
RT NATIONAL PARKS
RECREATIONAL FACILITIES RT ACTUATORS AUTOMATIC CONTROL CANAL BANK PROTECTION USE BANK PROTECTION 1 2 3 CANAL CONSTRUCTION 1 2 3 4 BT CONSTRUCTION
RT BANK PROTECTION
CANAL DESIGN
CANAL EMBANKMENTS
CANAL LININGS
--CANALS -CANALS CHANNEL CONSTRUCTION -EARTH HANDLING EQUIPMENT EARTHWORK -EXCAVATION -- EXCAVATORS -- EXPLOSIVE EXCAVATION RT SLIP FORMS CANAL DESIGN BT DESIGN RT BARGES 1 2 CANAL CONSTRUCTION CANAL EMBANKMENTS CANAL LININGS -CANALS
CHEZY EQUATION
PREEBOARD
IRRIGATION DESIGN
KUTTER PORMULA
-LOCKS (WATERWAYS)
MANNING EQUATION
OPEN CHANNEL FLOW
REGIME THEORY
SEEPAGE CONTROL DESIGN
STRUCTURAL DESIGN
TRAPEZOIDAL CHANNELS -CANALS

CANALS (Con.)
CANAL LININGS
CANAL SEDIMENTATION
CANAL SEEPAGE CANAL EMBANKMENTS BT EMBANKMENTS RT BANK EROSIO BANK EROSION BANK PROTECTION BANK PROTECTION
BURROWING ANIMALS
CANAL CONSTRUCTION
CANAL DESIGN
CANAL SEEPAGE
--CANALS -CHANNELS -- CIVIL ENGINEERING DESIGN FLOW -- DRAINS DROP STRUCTURES RAPID DRAWDOWN EARTHWORK EXPLOSIVE EXCAVATION SEEPAGE TRAPEZOIDAL CHANNELS FIXED-BED MODELS
--FLUMES (WATER CONVEYANCE
STRUCTURES)
FRAZIL ICE CANAL LININGS 1 2
BT LININGS
RT ASPHALT LININGS
--BLANKETS
BURIED MEMBRANES 1 2 3 HEADWALLS HEADWORKS HORIZONTAL DRAINS
--HYDRAULIC ENGINEERING
HYDRAULICS
INLAND WATERWAYS CANAL CONSTRUCTION CANAL DESIGN CANAL SEEPAGE --CANALS --LEAKAGE
--LOCKS (WATERWAYS)
NONCIRCULAR CONDUITS
NUCLEAR EXCAVATION CHANNEL LININGS CONCRETE LININGS EARTH-LINED CANALS EARTH LININGS RAPID DRAWDOWN
REGIME
-SURFACE DRAINAGE
TRAPEZOIDAL CHANNELS IMPERVIOUS LININGS
IMPERVIOUS MEMBRANES
IMPERVIOUS SOILS LINED CANALS PERVIOUS LININGS SEEPAGE CONTROL TEST CANALS TRIFURCATIONS TURNING BASINS -WATER WATER CONTROL -- WATERPROOFING WATER TRANSPORTATION
--WATERWAYS (TRANSPORTATION) CANAL LOCKS 1 2 3
use LOCKS (WATERWAYS) WYE BRANCHES CANAL SEDIMENTATION CANOEING use BOATING UF CANAL SILTING BT SEDIMENTATION CANOES RT--CANALS use BOATS CANAL SEEPAGE 1 2 3 BT SEEPAGE RT CANAL EMBANKMENTS CANAL LININGS CANOPY NOPY 7 NOTE: Leafy cover of vegetation, e.g. the uppermost leafy layer in forests r FORESTS MICROENVIRONMENT --CANALS IMPERVIOUS BLANKETS IMPERVIOUS LININGS --LINED CANALS SEEPAGE CONTROL DESIGN UNLINED CANALS -- VEGETATION ESTABLISHMENT CANOPY CLOSURE 5
use CROWN CHARACTERISTICS WATER LOSS (VEGETATION) CANAL SILTING 1
use CANAL SEDIMENTATION CANTILEVER BEAMS 2 3
BT BEAMS (SUPPORTS)
STRUCTURAL MEMBERS CANALIZATION RT BOX BEAMS RT--DAMS -- INLAND WATERWAYS RIVER REGULATION CHANNEL BEAMS --CONCRETE BEAMS -- WATERWAYS (TRANSPORTATION) H-BEAMS I-BEAMS CANALS 1 2 3 4
BT CONDUITS
OPEN CHANNELS
NT CONCRETE-LINED CANALS
DIVERSION CANALS
DRAINAGE CANALS T-BEAMS CANTILEVER BRIDGES 2 3 BT BRIDGES
RT GIRDER BRIDGES
HIGHWAY BRIDGES EARTH-LINED CANALS IRRIGATION CANALS RAILROAD BRIDGES RIGID FRAME BRIDGES TRUSS BRIDGES LATERALS --LINED CANALS NAVIGATION CANALS
SEA LEVEL CANALS
TEST CANALS
UNLINED CANALS CANTILEVER FOOTINGS 2
UF STRAP FOOTINGS
STRAPPED FOOTINGS STRAPPED FOOTINGS
FOOTINGS
FOUNDATIONS
SHALLOW FOUNDATION
COLUMN FOOTINGS
COMBINED FOOTINGS
ECCENTRIC LOAD APPROACH CHANNELS AQUEDUCTS --BIFURCATIONS -- BRANCHES CANAL CONSTRUCTION CANAL DESIGN CANAL EMBANKMENTS

CAPILLARY FLOW (Con.) CANTILEVER WALLS --PERMEABILITY BT RETAINING WALLS WALLS -- PORE PRESSURE
-- POROSITY
SURFACE TENSION RT BUTTRESSED WALLS COUNTERFORT WALLS CANYONS 1 2
NOTE: Deep valleys with high,
steep slopes, often with a
river flowing along the bottom
UF GORGES
BT TOPOGRAPHIC FEATURES
NT SUBMARINE CANYONS CAPILLARY FRINGE 1 use CAPILLARY ZONE 1 2 CAPILLARY MIGRATION USE CAPILLARY FLOW 1 2 3 CAPILLARY PHENOMENA 1 2 3 use CAPILLARITY -EROSION CAPILLARY PRESSURE 1 2 3 GULLIES AFILLARY PRESSURE 1 2 3
BT PRESSURE
RT CAPILLARIMETERS
CAPILLARITY
CAPILLARY FLOW
CAPILLARY TUBES
CAPILLARY TUBES
CAPILLARY WATER
CAPILLARY ZONE
MOISTURE SUCTION RELATION—
SHIP (SOILS)
NEGATIVE FORE PRESSURE
--PORE PRESSURE --RIVERS --SLOPES -- VALLEYS CAPACITANCE METERS 4
BT ELECTRIC MEASURING INSTRUMENTS
MEASURING INSTRUMENTS ITORS 6
CONDENSERS (ELECTRIC) CAPACITORS -- PORE PRESSURE UF PORE PRESSURE THEORY ELECTRIC CONDENSERS DIELECTRICS ELECTRIC FILTERS SOIL SUCTION SURFACE TENSION ENERGY STORAGE CAPILLARY RISE 1 2 3 use CAPILLARITY CAPACITY REDUCTION 1
RT RESERVOIR CAPACITY
RESERVOIR SEDIMENTATION CAPILLARY TUBES 1 2 BT TUBES RT BUBBLE PRESSURE 1 2 CAPACITY (TRAFFIC VOLUME) 5
use TRAFFIC VOLUME (PASSES) CAPILLARITY CAPILLARY FLOW CAPILLARY PRESSURE CAPILLARY WATER CAPILLARIMETERS 2 BT MEASURING INSTRUMENTS RT--CAPILLARITY
CAPILLARY FLOW
CAPILLARY PRESSURE -- RIGID TUBING CAPILLARY WATER DTE: Water subject to the influence of capillary action NOTE: TENSIOMETERS MOISTURE SOIL MOISTURE SUBSURFACE WATERS CAPILLARITY LARITY 1 2 3 CAPILLARY PHENOMENA CAPILLARY RISE WATER RT CAPILLARITY RT--ABSORPTION AIR ENTRAINMENT (CONCRETE) CAPILLARY FLOW
CAPILLARY PRESSURE
CAPILLARY TUBES
CAPILLARY ZONE CAPILLARY FLOW
CAPILLARY PRESSURE
CAPILLARY TUBES
CAPILLARY WATER HYGROSCOPIC WATER COHESION
FLOW THROUGH POROUS MEDIA
--HYDROLOGIC PROPERTIES
ICE LENSES MOISTURE SUCTION RELATION-SHIP (SOILS) --PORE PRESSURE
PORE PRESSURE THEORY
PORE SIZE DISTRIBUTION
SURFACE TENSION
--VADOSE WATER NEGATIVE PORE PRESSURE --PERMEABILITY --PERMEABILITY
--POROSITY
--RHEOLOGICAL PROPERTIES
--SOIL MOISTURE
--SOIL PROPERTIES
--SURFACE TENSION
VISCOSITY CAPILLARY WAVES 1
UP SURFACE TENSION WAVES
BT WAVES CAPILLARY ZONE 1 2
UF CAPILLARY FRINGE
RT CAPILLARITY
CAPILLARY FLOW
CAPILLARY PRESSURE
CAPILLARY WATER CAPILLARY FLOW 1 2 3 UF CAPILLARY MIGRATION BT FLOW RT--ABSORPTION -ABSORPTION
CAPILLARIMETERS
CAPILLARITY
CAPILLARY PRESSURE
CAPILLARY TUBES
CAPILLARY WATER
CAPILLARY ZONE ICE LENSES CAPITAL 6
RT APPROPRIATIONS (FISCAL)
BUDGETING
COST ENGINEERING FLOW THROUGH POROUS MEDIA --GROUNDWATER FLOW ECONOMICS INFILTRATION (WATER) FINANCING --LAND REAL PROPERTY PERCOLATION

CARBONATE AGGREGATES 3 BT AGGREGATES CAPPING (CONCRETE TEST SPECIMENS) 3 RT CONCRETE TEST SPECIMENS ROCKS NT DOLOMITE LIMESTONES ALKALI CARBONATE REACTIONS CAPS (EXPLOSIVES) UF BLASTING CAPS RT DETONATORS CARBONATE ROCKS EXPLODING WIRES EXPLOSIVE TRAINS CARBONATE MINERALS 2
BT MINERALS
NT CALCITE
RT--CALCAREOUS ROCKS
--CALCIUM CARBONATES
--CALCIUM COMPOUNDS FUZES (ORDNANCE) PRIMERS (EXPLOSIVES) CAPTURED AIR BUBBLE VEHICLES 1 UF CAB VEHICLES -- CARBONATES CARBON 2 3 7
BT NONMETALS
NT CARBON-14
CARBON BLACK
RT ACTIVATED CARBON
--BITUMENS CARBONATE ROCKS 3
BT ROCKS
RT CARBONATE AGGREGATES -- SEDIMENTARY ROCKS CARBON CYCLE
CARBON DIOXIDE
CARBON MONOXIDE CARBONATES BT SALTS
NT--CALCIUM CARBONATES
SODIUM CARBONATES -CARBONATES RT--CALCAREOUS ROCKS --CALCAREOUS SOILS COAL DIAMONDS GRAPHITE -- CARBONATE MINERALS -- HYDROCARBONS LIGNITE OIL SHALES PARAFFINS CARBONATION NOTE: Reaction between carbon dioxide and calcium compounds, especially in cements, mortar, and concrete to produce calcium -- RADIOACTIVE ISOTOPES carbonate
BT CHEMICAL REACTIONS
RT--CALCIUM CARBONATES
--CALCIUM COMPOUNDS CARBON-14 2 7 CARBON ISOTOPES RADIOACTIVE ISOTOPES BETA RAYS CARBON DIOXIDE CALCIUM NITRATES RADIOACTIVITY SALAMANDERS RADIOCARBON DATING CARBONIFEROUS PERIOD 2
NOTE: Mississippian and
Fennsylvanian periods combined;
in European usage Carboniferous
is considered as a single period,
divided into upper and lower CARBON BLACK BT CARBON PIGMENTS RT COLORING ADMIXTURES parts BT PALEOZOIC ERA ARBON CYCLE 7
NOTE: Circulation of carbon from carbon dioxide in the atmosphere into sugar by photosynthesis in plants, synthesis of more complex organic compounds in plants and animals, and the return by respiration or death and decay of plant and animal tissues to carbon dioxide
BT BIOGEOCHEMICAL CYCLE
RT CARBON
PHOTOSYNTHESIS CARBON CYCLE BT PALEOZOIC EMA
NT MISSISSIPPIAN PERIOD
PENNSYLVANIAN PERIOD RCINOGENS 7 NOTE: Cancer producing substance RT DIELDRIN CARCINOGENS CARDBOARD DRAINS 1 2 BT DRAINAGE STRUCTURES DRAINS PHOTOSYNTHESIS RT ROAD DRAINAGE RESPIRATION -- TRANSPIRATION CARGO NT AIR CARGO RT MATERIALS HANDLING CARBON DIOXIDE 3 6 7 SHIPPING BT GASES OXIDES 2 4 5 CARGO AIRCRAFT AIRCRAFT
CARGO VEHICLES
TRANSPORT AIRCRAFT
LOGISTICS
--MILITARY AIRCRAFT CARBON MONOXIDE BT CARBON FILTERS 1
BT FILTERS (WATER TREATMENT)
RT SEWAGE TREATMENT -- TRANSPORTATION CARGO VEHICLES 5
UF TRANSPORT VEHICLES
NT CARGO AIRCRAFT
FORK LIFT TRUCKS
OVERLAND TRAIN CARBON FIXATION use PHOTOSYNTHESIS CARBON MONOXIDE 3 7 BT GASES SEMITRAILERS OXIDES TRAILERS RT--AMPHIBIOUS MENICLES CARBON

-- ARTICULATED VEHICLES

CARBON DIOXIDE

CARGO VEHICLES (Con.)
CONTAINER HANDLING VEHICLES
GOER VEHICLES CARRIERS (Con.)
WEAPON CARRIERS
WHEELED VEHICLES GOER VEHICLES
INDUSTRIAL VEHICLES
LOGISTICS
--MILITARY VEHICLES
--OFF-ROAD VEHICLES CARRYING CAPACITY TE: Maximum population size of a given species in an area beyond which no significant ROAD VEHICLES SLEDS increase can occur without damage occurring to the area RT BROWSE UTILIZATION FOREST MANAGEMENT TANK TRUCKS
--TRACKED VEHICLES
--TRANSPORTATION --TRUCKS UTILITY CARRIERS --WHEELED VEHICLES RANGES -WILDLIFE MANAGEMENT CARTOGRAPHY 1 2 5 use MAPPING CARLSON STRAIN METERS 3
BT MEASURING INSTRUMENTS
STRAIN GAGES
STRAIN GAGES (CONCRETE)
STRAIN MEASURING INSTRUMENTS CARTRIDGES (EXPLOSIVES)
BT AMMUNITION
RT CONVENTIONAL WEAPONS RT GLOETZL CELL -- EXPLOSIVES -- GUNS (ORDNANCE)
-- PROJECTILES CARLSON STRESS METERS BT MEASURING INSTRUMENTS -- PROPELLANTS STRESS METERS STRESS METERS (CONCRETE) SMALL ARMS --WARHEADS RT GLOETZL CELL --WEAPONS CARNIVORES CASED PILES BT VERTEBRATES RT FOOD CHAINS BT CAST-IN-PLACE PILES CONCRETE PILES NICHES CONCRETE PRODUCTS PREDATION PILES TROPHIC LEVEL NT FRANKI PILES (CASED) RAYMOND PILES
WESTERN PILES (CASED)
RT--UNCASED PILES CAROTENOIDS NOTE: Any of an important group of yellow, orange, red and purple pigments occurring in plant and animal fats and including the carotenes and related alcohols, ketone, ethers. etc. CASINGS (DRILLING) BT DRILLING EQUIPMENT NT WELL CASINGS RT--BORING ethers, etc. BT PIGMENTS RT--PLANT PIGMENTS --DRILLING --WELLS CARP AQUATIC ANIMALS CAST-IN-PLACE CONNECTIONS 3 FISHES BT CONNECTIONS FRESHWATER FISHES VERTEBRATES CAST-IN-PLACE PILES 2 3 BT CONCRETE PILES CONCRETE PRODUCTS RT MINNOWS ROUGH FISH PILES
NT AUGERED CONCRETE PILES
--BORED PILES
BULB PILES CARPENTRY RT CONSTRUCTION CARRIERS 5 NOTE: Use of a more specific term is recommended; consult the terms listed below AIROLL VEHICLES AMPHIBIOUS VEHICLES ARTICULATED VEHICLES (CASED) (UNCASED) CARGO VEHICLES
FORESTRY VEHICLES
FORK LIFT TRUCKS
GOER VEHICLES RT CAST-IN-PLACE STRUCTURES CAST-IN-PLACE PIPES BT CLOSED CONDUITS 1 2 3 5 GOER VEHICLES
INDUSTRIAL VEHICLES
LIGHT UTILITY VEHICLES
MILITARY VEHICLES
OFF-ROAD VEHICLES
OVERLAND TRAIN
PERSONNEL CARRIERS CONCRETE PIPES
CONCRETE PRODUCTS CONDUITS PIPES RT BURIED IRRIGATION SYSTEMS
BURIED PIPES
CAST-IN-PLACE STRUCTURES
CONCRETE PIPES ROAD VEHICLES SELF PROPELLED VEHICLES SEMITRAILERS IRRIGATION PIPES SLEDS SNOW VEHICLES TANK TRUCKS TOWED VEHICLES TRACKED VEHICLES CAST-IN-PLACE STRUCTURES 1 2 3 5
RT--CAST-IN-PLACE PILES
CAST-IN-PLACE PIPES
--CONCRETE DAMS
CONCRETE LININGS
HIGHEAV EMPLOYMENT TRAILERS TRUCKS UTILITY CARRIERS -- HIGHWAY STRUCTURES MONOLITHS

CAST IRON PIPES CATHODIC PROTECTION 2 3
UF CONCRETE PROTECTION
BT CORROSION PREVENTION CLOSED CONDUITS METAL PIPES ANODES CATHODES PIPES RT IRON -- COATINGS -- CORROSION CAST STONE 3 BT CONCRETE PRODUCTS -- CORROSION RESISTANCE -- DURABILITY --DURABLITY
ELECTROCHEMISTRY
GALVANIC CORROSION
MAGNESIUM
--PROTECTIVE COATINGS CASTING (CONCRETE) use CONCRETE PLACING CATADROMOUS FISH 1 7 NOTE: Living in fresh water and going to salt water to --REINFORCING STEELS UNDERGROUND CORROSION spawn CATION EXCHANGE BT AQUATIC ANIMALS FISHES 2 3 use BASE EXCHANGE RT--ANADROMOUS FISH CATIONS 7
NOTE: Ions carrying a positive charge of electricity
RT ANIONS
PROTONS EELS FISH MIGRATION --FRESHWATER FISHES CATALOGS (PUBLICATIONS) BT DOCUMENTS CAUCHY NUMBER 1 CATALYSTS 3 RT ACCELERATING AGENTS CAULKING ULKING 2 3 5 RT--JOINT FILLERS --JOINT SEALERS CATALYTIC CONVERTERS 7
NOTE: Air pollution abatement devices that remove organic contaminants by oxidizing them into carbon dioxide and -- JOINTS (JUNCTIONS) SEALING COMPOUNDS --WATERPROOFING water through chemical reaction CAULKING COMPOUNDS 2 3 4 5 use SEALING COMPOUNDS AFTERBURNERS
AIR POLLUTION CONTROL CAUSEWAYS 1 2 RT--BRIDGES HIGHWAYS EQUIPMENT CATCH BASINS 1 2 3 BT BASINS (CONTAINERS) RT SAND TRAPS --SEWERS --ROADS CAUSTIC LIME 2
use CALCIUM HYDROXIDES CATCHMENT AREAS CAUSTIC SODA 3 7
use SODIUM HYDROXIDE use WATERSHEDS CATEGORIES (MATHEMATICS) CAVE DEPOSITS 2
BT GEOLOGICAL DEPOSITS
RT CALCITES
CAVES CATERPILLAR GATES 1 BT HYDRAULIC GATES SPELEOLOGY CATERPILLARS (VEHICLES) 5 use TRACTORS CAVERNS use CAVES CATFISHES BT AQUATIC ANIMALS FISHES FRESHWATER FISHES CAVES 2
UF CAVERNS
RT CAVE DEPOSITS **VERTEBRATES** CAVIDES (UNDERGROUND)
KARST
--LIMESTONES
SINKHOLES
SOLUTION PHENOMENA
(GEOLOGY) CATHETOMETERS 2
NOTE: Instruments used for measuring vertical heights not exceeding a few centimeters BT MEASURING INSTRUMENTS
RT EXTENSIONETERS SPELEOLOGY STRAIN GAGES CAVITATION 1 3 CATHODE RAY OSCILLOSCOPES
BT ELECTRIC MEASURING
INSTRUMENTS
MEASURING INSTRUMENTS AIR DEMAND BUBBLES CAVITATION CONTROL
CAVITATION DAMAGE
CAVITATION INDEX
CAVITATION NOISE
CAVITATION RESISTANCE
CONCRETE EROSION RT VOLTMETERS CATHODE RAY TUBES
BT ELECTRON TUBES TURES -- EROSION VACUUM TUBES -- FLOW FLOW DISTRIBUTION FLOW SEPARATION CATHODES BT ELECTRODES
RT ANODES
CATHODIC PROTECTION -- PLUID FLOW

CAVITATION (Con.) HYDRAULICS IMPELLERS NEGATIVE PRESSURE PITTING REAERATION ROTATIONAL FLOW SCOUR SHAFT SPILLWAYS VELOCITY DISTRIBUTION -- VORTICES CAVITATION CONTROL 1
RT CAVITATION
CAVITATION DAMAGE
CAVITATION INDEX CAVITATION NOISE CAVITATION RESISTANCE CAVITATION DAMAGE CAVITATION CAVITATION CONTROL CAVITATION INDEX NOTE: Pertains to low pressure flow downstream from valves, turbines, propellers, pumps, etc.
UF CAVITATION NUMBER
RT CAVITATION
CAVITATION CONTROL CAVITATION CONTROL
CAVITATION NOISE
CAVITATION RESISTANCE
--FLUID DYNAMICS
--HYDRAULIC MODELS
--HYDRAULIC SIMILITUDE PERMISSIBLE VELOCITY PERMISSIBLE VELOCITY
--SIMILITUDE
VAPOR PRESSURE
--WATER PRESSURE
WATER TUNNELS (TESTING) CAVITATION NUMBER use CAVITATION INDEX CAVITATION NOISE RT CAVITATION CAVITATION CONTROL CAVITATION INDEX CAVITATION RESISTANCE CAVITATION RESISTANCE
RT CAVITATION
CAVITATION CONTROL CAVITATION INDEX CAVITATION NOISE -- FLUID FLOW -- HYDRAULIC MODELS CAVITIES (UNDERGROUND) 2 4 RT CAVES KARST -- PITS SINKHOLES
SOLUTION PHENOMENA (GEOLOGY)
SONIC LOGGING
SPELEOLOGY UNDERGROUND OPENINGS CBR (PAVEMENTS) 2 5 use CALIFORNIA BEARING RATIO CBR WARFARE WARFARE 4
CHEMICAL-BIOLOGICALRADIOLOGICAL WARFARE
BIOLOGICAL WARFARE
CHEMICAL WARFARE
MILITARY OPERATIONS
BADIOLOGICAL UF RADIOLOGICAL WARFARE

CELLARS

USE BASEMENTS

CELLULAR COFFERDAMS 1 2 BT CELLULAR STRUCTURES COFFERDAMS DAMS DOLPHINS DOUBLE WALL COFFERDAMS -- SHEET PILES SINGLE WALL COFFERDAMS CELLULAR CONCRETES 3 LA FORM CONCRETES FORM CONCRETE BT CELLULAR MATERIALS CONCRETES LIGHTWEIGHT CONCRETES ALUMINUM POWDER
BACKPACKING MATERIALS
--FOAMING AGENTS
INSULATING CONCRETES -INSULATION POROUS CONCRETE CELLULAR MATERIALS MT CELLULAR CONCRETES
CELLULAR PLASTICS
SYNTACTIC FOAMS RT -- FOAMING AGENTS -- INSULATION CELLULAR PLASTICS 2 3 6
UF EXPANDED PLASTICS
FOAM PLASTICS
PLASTIC POAM
RT BASE COURSES
--CHEMICAL GROUTS
EXPEDIENT SURFACINGS
POLYWEFFULANT PESING POLYURETHANE RESINS POROUS MATERIALS SANDWICH STRUCTURES --SHELTERS SHOCK ISOLATION SYNTACTIC FOAMS CELLULAR STRUCTURES 2
NT CELLULAR COFFERDAMS
RT HONEYCOMB STRUCTURES CEMENT ADDITIONS NOTE: Material that is inter-ground or blended in limited ground of blended in limit amounts into a hydraulic cement during manufacture? ADDITIONS (CEMENT) ADDITIVES (CEMENT) CEMENT ADDITIVES ADDITIVES RT--ADMIXTURES -CONCRETE ADMIXTURES -- CEMENTS -- PIGMENTS -- POZZOLANS CEMENT ADDITIVES 3
USE CEMENT ADDITIONS CEMENT AGGREGATE REACTIONS NT ALKALI AGGREGATE REACTIONS
ALKALI CARBONATE REACTIONS
RT--CONCRETE DURABILITY
REACTIVE AGGREGATES CEMENT ANALYSIS 3 RT--CEMENT PROPERTIES CEMENT QUALITY -- CEMENTS -- CHEMICAL ANALYSIS X RAY ANALYSIS CEMENT CONTENT 3
UF CEMENT FACTORS
RT CONCRETE MIXTURES FRESH CONCRETES

PROPORTIONING (CONCRETE)

CEMENT DUST 3 CEMENT SETTING BT DUST RT DUST COLLECTORS CONCRETE SETTING FINAL SET (CONCRETE)
INITIAL SET (CONCRETE)
SETTING (CEMENT)
BT CEMENT PROPERTIES
RT--CEMENTS CEMENT FACTORS use CEMENT CONTENT CONCRETE HARDENING USE CEMENT PASTES FALSE SET (CEMENT)
FLASH SET (CEMENT)
HARDENING RATE TESTS
PENETRATION TESTS
PORTLAND CEMENT PHYSICAL CEMENT GROUTING 2 3 BT GROUTING
ET CEMENT GROUTS
CEMENT SOIL STABILIZATION
--CEMENTS PROPERTIES SETTING TIME -- CHEMICAL GROUTING CEMENT SOIL STABILIZATION 2 3
BT SOIL STABILIZATION
RT CEMENT GROUTING
--CHEMICAL SOIL STABILIZATION 2 3 5 -- SOIL GROUTING CEMENT GROUTS UF PORTLAND CEMENT GROUTS
BT GROUTS
RT CEMENT GROUTING CURING -EMBANKMENT CONSTRUCTION
-PORTLAND CEMENTS
-ROAD CONSTRUCTION
SOIL CEMENT
SOIL CEMENT SLOPE PROTECTION -- CEMENTS -- CHEMICAL GROUTS CEMENT HYDRATION CEMENT PROPERTIES
HYDRATION SUBBASES RT--CEMENTS
HEAT OF HYDRATION
PORTLAND CEMENT PHYSICAL
PROPERTIES CEMENT STORAGE UF PACK SET RT AERATION --CEMENTS CEMENTATION CEMENT LIME MORTARS BT MORTARS (MATERIAL) RT HYDRAULIC LIME RT ADHESION BINDERS BONDING CEMENT MANUFACTURE RT CEMENT PLANTS CEMENT QUALITY -CEMENTS DIAGENESIS -- GROUTING HARDPAN -- CEMENTS --SEALERS CEMENT MORTARS 3
use MORTARS (MATERIAL) SEALING SETTING TIME --SOIL STABILIZATION CEMENT PASTES 3 UF CEMENT GEL CEMENTS 1 2 3 5
NOTE: Excludes adhesives
NT AIR ENTRAINING CEMENTS
ALUMINATE CEMENTS
BITUMINOUS CEMENTS NEAT CEMENT PASTES PASTES CEMENT ANALYSIS --GELS BLENDED CEMENTS
BLENDED CEMENTS
--EXPANSIVE CEMENTS
GYPSUM CEMENTS
HIGH EARLY-STRENGTH CEMENTS
--HYDRAULIC CEMENTS
LIME CEMENTS LENGTH CHANGE TESTS SPECIFIC SURFACE CEMENT PLANTS UF PORTLAND CEMENT PLANTS
RT CEMENT MANUFACTURE
CEMENT QUALITY
--CEMENTS LIME CEMENTS
LOW ALKALI CEMENTS
LOW HEAT CEMENTS
MAGNESIUM CEMENTS
MASONRY CEMENTS
MATURAL CEMENTS
OIL WELL CEMENTS
PORTLAND CEMENT TYPE 1
PORTLAND CEMENT TYPE 2
--PORTLAND CEMENT TYPE 2
--PORTLAND FOZZOLAN CEMENTS
PORTLAND SLAG CEMENTS
POZZOLAN CEMENTS
POZZOLAN CEMENTS
REGULATED_SET CEMENTS CEMENT PROPERTIES 3

UF PHYSICAL PROPERTIES (CEMENT)

BT MECHANICAL PROPERTIES

NT CEMENT HYDRATION

CEMENT SETTING

PALSE SET (CEMENT)

PORTLAND CEMENT PHYSICAL

PROPERTIES

SOUNDNESS (CEMENT)

ET CEMENT ANALYSIS CEMENT ANALYSIS CEMENT QUALITY REGULATED-SET CEMENTS RESIN CEMENTS SILICATE CEMENTS SLAG CEMENTS --CEMENTS FINENESS SLAG CEMENTS
SULFATE RESISTING CEMENTS
WHITE FORTLAND CEMENTS
ALKALI AGGREGATE REACTIONS
BONDING
CALCIUM HYDROXIDES
CEMENT ADDITIONS
CEMENT ANALYSIS
CEMENT GROUTING
CEMENT GROUTS
CEMENT GROUTS
CEMENT HYDRATION
CEMENT MANUFACTURE
CEMENT PLANTS HEAT OF HYDRATION CEMENT QUALITY 3
UF VARIATIONS IN CEMENT QUALITY
RT CEMENT ANALYSIS
CEMENT MANUFACTURE
CEMENT PLANTS
--CEMENT PROPERTIES --CEMENTS

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CEMENTS (Con.)
--CEMENT PROPERTIES
CEMENT QUALITY
CEMENT SETTING
CEMENT STORAGE
                                                                                                CERAMIC RIPRAP 1 2 3
                                                                                                   BT RIPRAP
RT CERAMIC MATERIALS
                                                                                                CERAMIC SOIL STABILIZATION
                                                                                                                                                  2 3 5
                                                                                                    BT SOIL STABILIZATION
RT--CERAMIC MATERIALS
THERMAL SOIL STABILIZATION
           CEMENTATION
           CHEMICAL COMPOSITION
       (CEMENT)
--CLINKER
--CONCRETES
                                                                                                CERAMIC TILES 3
BT CERAMIC MATERIALS
        -- GROUTS
           HYDRAULIC LIME
                                                                                                          STRUCTURAL CLAY PRODUCTS
           KAOLIN
           LATEX
                                                                                                   ERAMICS 6
use CERAMIC MATERIALS
           LIME
         -LIMESTONES
        -- LININGS
                                                                                                CESIUM 1
        --MASONRY
          MASONRY WALLS
MORTARS (MATERIAL)
                                                                                                CHALKS
                                                                                                               2 3
Soft, white, earthy
           PLASTER
                                                                                                    limestone
BT CALCAREOUS ROCKS
           POZZOLANS
SETTING TIME
                                                                                                           LIMESTONES
          SOIL CEMENT
STUCCO
                                                                                                           ROCKS
SEDIMENTARY ROCKS
                                                                                                    RT CALCITE
--CALCIUM CARBONATES
CENOTES 1 2
NOTE: Natural underground water
                                                                                                          DOLOMITE
       reservoirs
          -GROUNDWATER
                                                                                                CHAMBER PRESSURE 2
use CONFINING PRESSURE
           KARST
           SOLUTION PHENOMENA (GEOLOGY)
        --WELLS
                                                                                                CHANGE ORDERS
                                                                                                   BT CONTRACT ADMINISTRATION
RT--AGREEMENTS
CENOZOIC ERA
    NT--QUATERNARY PERIOD
--TERTIARY PERIOD
                                                                                                           CLAIMS (CONTRACTS)
DESIGN IMPROVEMENTS
DESIGN MODIFICATIONS
CENTRALLY MIXED CONCRETE 3
use READY MIXED CONCRETE
                                                                                                           NEGOTIATIONS
                                                                                                CHANGES OF LEVEL (GEOLOGY)
                                                                                                    NOTE: Relative changes in
elevation of either the land
or the sea caused by various
CENTRIFUGAL PUMPS 1 2
BT PUMPS
          PUMPS
ROTARY PUMPS
TURBOMACHINERY
FEED PUMPS
GEAR PUMPS
                                                                                                    geologic processes
RT EARTHQUAKES
--EROSION
           IMPELLERS
MIXED FLOW PUMPS
PROPELLER PUMPS
                                                                                                       SEA LEVEL CHANGES
--SLIDES
                                                                                                          SUBSIDENCE
CENTRIFUGES 1 2
RT--MIXERS
MOISTURE SUCTION RELATION-
                                                                                                CHANNEL BEAMS 2 3 4
BT BEAMS (SUPPORTS)
STRUCTURAL MEMBERS
RT CANTILEVER BEAMS
              SHIP (SOILS)
                                                                                                           CONTINUOUS BEAMS
T-BEAMS
CERAMIC CEMENTS 3
NOTE: Use of a more specific term is recommended; consult the terms listed below CALCIUM ALUMINATE CEMENTS LOW HEAT CEMENTS OIL WELL CEMENTS PORTLAND CEMENTS
                                                                                                CHANNEL BEDS
                                                                                                   BT BEDS
RT BANKS
                                                                                                       BED MOVEMENTS
BED RIPPLES
CHANNEL EROSION
--CHANNEL FLOW
CHANNEL IMPROVEMENT
CHANNEL MORPHOLOGY
          PORTLAND SLAG CEMENTS
POZZOLAN CEMENTS
REFRACTORY MATERIALS
SULFATE RESISTING CEMENTS
                                                                                                       --CHANNELS
MOVABLE BED MODELS
CERAMIC MATERIALS 2 3 6
                                                                                                       OPEN CHANNEL FLOW
--RIVERS
STREAM BEDS
    UF CERAMICS
NT CERAMIC TILES
RT ABRASIVES
                                                                                                CHANNEL BENDS 1 2
UF BENDS (CHANNEL)
FLOW AROUND BENDS
RT--CHANNELS
        --BRICKS
           BRITTLENESS
CERAMIC RIPRAP
CERAMIC SOIL STABILIZATION
        --CLAYS
                                                                                                          MEANDERS
OPEN CHANNEL FLOW
        -- CONCRETE PRODUCTS
FELDSPARS
                                                                                                           SUPERELEVATION OF BENDS
           GLASS
KAOLIN
                                                                                                CHANNEL BIFURCATION 1
UF BIFURCATED CHANNELS
BIFURCATED FLUMES
          -MASONRY
MASONRY CEMENTS
          -REFRACTORY MATERIALS
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TALC

CHANNEL BIFURCATION (Con.)
FLUMES (BIFURCATED)
BT BIFURCATIONS CHANNEL IMPROVEMENT (Con.) --MATTRESSES
MEANDERING STREAMS -REVETMENT CHANNEL CONSTRUCTION --RIPRAP RIVER CUTOFFS
RIVER ENGINEERING
RIVER REGULATION
RIVER TRAINING BT CONSTRUCTION
RT CANAL CONSTRUCTION
--EXPLOSIVE EXCAVATION RIVER THAIRING
SEDIMENT CONTROL
-SLOPE PROTECTION
SLOPE STABILIZATION
STEEL JACKS
STREAM MENOSION
STREAM MEANDERING CHANNEL CONTROL (RIVERS)
USE RIVER TRAINING CHANNEL DESIGN ANNEL DESIGN
NOTE: Restricted to the
design of waterways
RT BANK PROTECTION
CHANNEL IMPROVEMENT
--CHANNELS TAILRACES CHANNEL JUNCTIONS 1
RT CONFLUENCE STRUCTURES CHEZY EQUATION FLOOD PROTECTION FLOODWAYS TRIBUTARIES CHANNEL LININGS 1
UF STREAM LININGS
BT LININGS
RT CANAL LININGS
LINED CHANNELS KUTTER FORMULA MANNING EQUATION OPEN CHANNEL FLOW CHANNEL EROSION 1
BT EROSION
RT BANK EROSION
CHANNEL BEDS
CHANNEL IMPROVEMENT
CHANNEL MORPHOLOGY CHANNEL MORPHOLOGY 1 RT ALLUVIAL STREAMS BANKS --BEDS --BEDS
CHANNEL BEDS
CHANNEL EROSION
--CHANNEL FLOW
CHANNEL IMPROVEMENT
--CHANNELS
DISTRIBUTION PATTERNS CHANNELS GROINS
GULLY EROSION
-REVETMENT
RIVER CURRENTS
RIVER TRAINING FLUVIAL MORPHOLOGY SALTATION SEDIMENT CONTROL SOIL EROSION REGIME --SLOPES STREAM EROSION CHANNEL PROTECTION 1 2 3 use CHANNEL STABILIZATION CHANNEL FLOW 1
BT FLOW
NT LOW FLOW
NT MATURAL FLOW
OPEN CHANNEL FLOW
DECLI MORE PLOW CHANNEL RECTIFICATION use CHANNEL IMPROVEMENT CHANNEL STABILIZATION 1 2
UF CHANNEL PROTECTION
RIVER STABILIZATION
STREAM STABILIZATION
BT STABILIZATION
RT ARMORING (STREAM BEDS)
BANK PROTECTION
BANK STABILIZATION
BED MOURANTS REGULATED FLOW CHANNEL BEDS CHANNEL MORPHOLOGY -- CHANNELS -- CONDUITS --DISCHARGE (WATER)
FLOW PATTERNS
--FLUID FLOW
MANNING EQUATION BED MOVEMENTS CHANNEL IMPROVEMENT PIPE FLOW
--STREAM FLOW
SURFACE ROUGHNESS (HYDRAULICS) -CHANNELS --CHANNELS
CRITICAL TRACTIVE PORCE
--DIRES (TRAINING STRUCTURES)
DREDGING
--EROSION CONTROL
FLOOD CONTROL
FLOOD PROTECTION
--HYDRAULIC ENGINEERING
MATDEESSES TAILBACES CHANNEL GEOMETRY 1 5 use HYDRAULIC GEOMETRY CHANNEL IMPROVEMENT 1 2 7
UF CHANNEL RECTIFICATION
RIVER CHANNEL IMPROVEMENT
RIVER IMPROVEMENT
RIVER TRAINING
RT BANK EROSION
BANK PROTECTION
BANK STABILITY
CHANNET BERES -- MATTRESSES MEANDERING STREAMS
--REVETMENT
--RIPRAP
RIVER ENGINEERING
--RIVER REQULATION
RIVER TRAINING
SEDIMENT CONTROL
--SLOPE PROTECTION
SLOPE STABILITY
SLOPE STABILIZATION
STABLE CHANNELS
STEEL JACKS
STREAM EROSION
TAILRACES MEANDERING STREAMS BANK STABILITY
CHANNEL BENDS
CHANNEL DESIGN
CHANNEL EROSION
CHANNEL MORPHOLOGY
CHANNEL STABILIZATION -CHANNELS -CHANNELS
DESILTING
DIKES (TRAINING STRUCTURES)
DREDGING
FLOOD CONTROL
FLOOD PROTECTION CHANNELING RT--CHANNELS DRAINAGE ENGINEERING **OROINS** FURROW SYSTEMS IRRIGATION ENGINEERING

-- HYDRAULIC ENGINEERING

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CHARGES (EXPLOSIVES)
use EXPLOSIVE CHARGES
  CHANNELIZED TRAFFIC TESTS 5
      BT TRAFFIC TESTS
RT AIRFIELD TRAFFIC
GROOVING (PAVEMENTS)
--PAVEMENT PERFORMANCE AND
                                                                                                                                  NT CONTROL CHARTS
                                                                                                                                           FLOW CHARTS
NAVIGATION CHARTS
                    EVALUATION
                                                                                                                                  ORGANIZATION CHARTS
RT DATA REDUCTION
--DIAGRAMS
      HANNELS 1 2 3 4 7
UF STREAM CHANNELS
BT WATERWAYS (TRANSPORTATION)
WATERWAYS (WATERCOURSES)
                                                                                                                                           DRAWINGS
               APPROACH CHANNELS
                                                                                                                                           GRAPHICAL METHODS
                ARROYOS
                                                                                                                                       -- HYDROGRAPHS
           ARROYOS
CONCRETE LINED CHANNELS
DIVERSION CHANNELS
ENTRANCE CHANNELS
EXIT CHANNELS
FLOOD CONTROL CHANNELS
--FLUMES (WATER CONVEYANCE
STRUCTURES)
INLAND WATERWAYS
INTAKE CHANNELS
LATERALS
--LINED CANALS
                                                                                                                                           HYETOGRAPHS
                                                                                                                                       --MAPS
                                                                                                                                           NOMOGRAPHS
                                                                                                                                         SCALE (RATIO)
-STATISTICAL ANALYSIS
SYNOPTIC ANALYSIS
                                                                                                                                       -- TABLES (DATA)
                                                                                                                             CHECK DAMS 1 2 3
BT CHECK STRUCTURES
           --LINED CANALS
--LINED CHANNELS
NAVIGABLE RIVERS
NAVIGATION CHANNELS
                                                                                                                                  DAMS
RT--BARRIERS
                                                                                                                                           CONTROL STRUCTURES
DETENTION RESERVOIRS
              OPEN CHANNELS
OPEN CHANNELS
RESTRICTED CHANNELS
STABLE CHANNELS
TAILRACES
TRAPEZOIDAL CHANNELS
                                                                                                                                      DIVERSION DAMS
--EROSION CONTROL
FLOOD CONTROL
RETENTION DAMS
              UNLINED CHANNELS
ABANDONED CHANNEL DEPOSITS
BANK EROSION
BANK PROTECTION
                                                                                                                             CHECK STRUCTURES
                                                                                                                                  NT CHECK DAMS
RT--BARRIERS
                                                                                                                                       CONTROL STRUCTURES
               BANKS
BED MOVEMENTS
                                                                                                                                       -- EROSION CONTROL
FLASHBOARDS
              BEDS
BYPASSES
                                                                                                                                      --HYDRAULIC GATES
STREAMFLOW REGULATION
           --CANALS
CHANNEL BEDS
          CHANNEL BEDS
CHANNEL BENDS
CHANNEL DESIGN
CHANNEL EROSION
-CHANNEL FLOW
CHANNEL IMPROVEMENT
CHANNEL IMPROVEMENT
CHANNEL STABILIZATION
CHANNEL INTO
                                                                                                                                 BT HYDRAULIC VALVES
VALVES
                                                                                                                             CHECK VALVES
                                                                                                                                       BUTTERFLY VALVES
EMERGENCY CLOSURES
                                                                                                                                       FLAP VALVES
--PNEUMATIC VALVES
          --CONDUITS
--DITCHES
                                                                                                                             CHEMCONTROL
                                                                                                                                 HEMCONTROL 7
UF CHEMICAL CONTROL
RT DESICCANTS
INSECT CONTROL
           -- DRATNS
              DREDGING
              EXPLOSIVE EXCAVATION FIXED-BED MODELS
                                                                                                                                       -- PEST CONTROL
             FLOODWAYS
-HYDRAULIC ENGINEERING
                                                                                                                             CHEMICAL ADDITIVES 2 3 5
                                                                                                                                  use ADDITIVES
          --HYDRAULICS
LAGOONS (LANDFORMS)
                                                                                                                            CHEMICAL ANALYSIS 1 2 3 5 6 7

UF ANALYTICAL CHEMISTRY

BT ANALYSIS
CHEMICAL TESTS

NT COLORIMETRIC ANALYSIS
COLORIMETRY
ELAME PROTYMETRY
           -- LAKES
              MOVABLE-BED MODELS
              REGIME
             -RIVERS
          -- ROUTING
         -- UNNING WATERS
-- SEDIMENTOLOGY
                                                                                                                                          FLAME PHOTOMETRY
GAS ANALYSIS
                                                                                                                                    GAS ANALYSIS
MICROANALYSIS
MICROANALYSIS
NEUTHON ACTIVATION ANALYSIS
POLAROGRAPHIC ANALYSIS
QUANTITATIVE ANALYSIS
-RADIOACTIVATION ANALYSIS
SPECTROCHEMICAL ANALYSIS
-SPECTROSCOPIC ANALYSIS
I BIOASSAY
CALORIFIC VALUE
CEMENT ANALYSIS
CHEMICAL COMPOSITION (CEMENT)
--CHEMICAL PROPERTIES
--CHEMICAL REACTIONS
--CHEMISTRY
              SLUICES
              STAGE-DISCHARGE RELATIONS
             STRAITS
STREAM PEDS
         --STREAMS
--SURFACE DRAINAGE
--SURFACE WATERS
             WASHOUTS
             WATER TRANSPORTATION
              WATER WAVE PILE-UP
CHARACTERISTIC EQUATIONS USE EQUATIONS OF STATE
                                                                                                                                     --CHEMISTRY
--CHROMATOGRAPHY
CLAY MINERALOGY
ELECTRON PROBES
ELECTROPHORESIS
CHARACTERISTIC HYDROGRAPHS
use HYDROGRAPHS
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CHEMICAL EXPLOSIONS 3 4
 CHEMICAL ANALYSIS (Con.)
FLUOROMETERS
                                                                                                               use EXPLOSIONS
             GEOCHEMISTRY
             HYDROMETER ANALYSIS
                                                                                                           CHEMICAL GROUTING 2 3
                                                                                                              HEMICAL GROUTING 2 3
BT GROUTING
NT JOOSTEN PROCESS
RT ASPHALT GROUTING
CEMENT GROUTING
--CHEMICAL GROUTS
--CHEMICAL GROUTS
--CHEMICAL FACTIONS
--CHEMICAL SOIL STABILIZATION
ELECTROCHEMICAL INJECTION
FEORY GROUTING
           -HYGROMETERS
INFRARED DETECTORS
INFRARED SPECTROSCOPY
         --MINERALOGY
         --pH TESTS
--PHOTOMETRY
             PHYSICAL CHEMISTRY
PSYCHROMETERS
           ROCK ANALYSIS -SAMPLING
                                                                                                                       EPOXY GROUTING
            SOIL ANALYSIS
SOIL CHEMISTRY
                                                                                                           CHEMICAL GROUTS
                                                                                                               BT GROUTS
NT CALCIUM ACRYLATE GROUTS
CHROME LIGNIN GROUTS
SODIUM SILICATE GROUTS
            SPECTROPHOTOMETERS
SPECTROPHOTOMETRY
            SPECTROSCOPY
TITRATION
            TRACE ELEMENTS
TURBIDIMETERS
                                                                                                                       ASPHALT GROUTS
                                                                                                                       CELLULAR PLASTICS
CEMENT GROUTS
         WATER ANALYSIS
--WATER CHEMISTRY
X RAY ANALYSIS
                                                                                                                   --CHEMICAL GROUTING
--CHEMICAL PROPERTIES
--CHEMICAL REACTIONS
--CHEMICAL SOIL STABILIZATION
 CHEMICAL ATTACK
                  Pertains to chemical attack
                                                                                                                       EPOXY GROUTS
        on materials
CHEMICAL ATTACK (PILES)
SULFATE ATTACK
ACID RESISTANCE
                                                                                                                       JOOSTEN PROCESS
                                                                                                                       SILICATES
                                                                                                                      SOIL CHEMISTRY
                                                                                                           CHEMICAL LABORATORIES 3 6
            ALKALI AGGREGATE REACTIONS
ALKALI CARBONATE REACTIONS
                                                                                                               BT LABORATORIES
        -- CHEMICAL PROPERTIES
-- CHEMICAL REACTIONS
                                                                                                           CHEMICAL OXYGEN DEMAND
                                                                                                               NOTE: Measurement of the amount of oxygen required to oxidize
         -- CHEMISTRY
        --CORROSION
--CORROSION RESISTANCE
--CORROSION TESTS
                                                                                                                   organic and oxidizable inorganic
compounds in water
OXYGEN DEMAND
         -- DAMAGE
                                                                                                               RT BIOCHEMICAL OXYGEN DEMAND
DISSOLVED OXYGEN
             DECOMPOSITION
         -- DETERIORATION
            DISINTEGRATION
                                                                                                                       OXYGEN
OXYGEN DEPLETION
         -- DURABILITY
         --FRAGMENTATION
GALVANIC CORROSION
                                                                                                                   WATER ANALYSIS
--WATER POLLUTION
             OXIDATION
                                                                                                           CHEMICAL PROPERTIES 1 2 3 4 5 6 7
            PASSIVITY
            RUSTING
STRESS CORROSION RESISTANCE
THERMAL RESISTANCE
WEATHERING (GEOLOGY)
                                                                                                              NT ACIDITY
ALKALINITY
                                                                                                                      HEAT OF HYDRATION
                                                                                                                  pH
--SALINITY
SOIL SALINITY
HEAT OF SOLUTION
ACID RESISTANCE
CHEMICAL ATTACK (PILES) 2
BT CHEMICAL ATTACK
RT PILE CORROSION
                                                                                                                   BONDING
--CHEMICAL ANALYSIS
                                                                                                                  --CHEMICAL ATTACK
--CHEMICAL GROUTING
--CHEMICAL GROUTS
--CHEMICAL REACTIONS
--CHEMICAL SOIL STABILIZATION
CHEMICAL TESTS
CHEMICAL-BIOLOGICAL RADIOLOGICAL
    WARFARE
     use CBR WARFARE
CHEMICAL COMPOSITION (CEMENT) 3
RT--CEMENTS
--CHEMICAL ANALYSIS
                                                                                                                  --CHEMISTRY
CORROSION
                                                                                                                  CORROSION RESISTANCE
--ELECTRICAL PROPERTIES
CHEMICAL CONTROL 7
use CHEMCONTROL
                                                                                                                  GEOCHEMISTRY
--LIMNOLOGY
CHEMICAL ENGINEERING 2 3
RT AGRICULTURAL CHEMISTRY
--CHEMISTRY
ELECTROCHEMISTRY
MATERIALS HANDLING
PETROLEUM ENGINEERING
PHYSICAL CHEMISTRY
SANITARY ENGINEERING
--WATER CHEMISTRY
                                                                                                                  -- MECHANICAL PROPERTIES
ODORS
                                                                                                                  PASSIVITY
PHYSICAL CHEMISTRY
--ROCK PROPERTIES
SOIL CHEMISTRY
--SOIL PROPERTIES
                                                                                                                      SOLUBILITY
                                                                                                                  --THERMAL PROPERTIES
TOXICITY
CHEMICAL EQUILIBRIUM
    NOTE: Reaction in which state is
reached where reaction is rever-
sible and is occurring at equal
rate in both directions
                                                                                                                      WATER PROPERTIES
                                                                                                         CHEMICAL REACTIONS 1 2 3

NT ALKALI AGGREGATE REACTIONS
ALKALI CARBONATE REACTIONS
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CHEMICAL TESTS (Con.)
COLORIMETRIC ANALYSIS
CHEMICAL REACTIONS (Con.)
            CARBONATION
             ELECTROLYSIS
                                                                                                                                     GAS ANALYSIS
IMMERSION TESTS (CORROSION)
             HYDRATION
                                                                                                                            MICROANALYSIS
RT--CHEMICAL PROPERTIES
CONCRETE DISCOLORATION
-CORROSION RESISTANCE
--CORROSION TESTS
HIGH TEMPERATURE TESTS
             HYDROLYSIS
             OXIDATION
             POLYMERIZATION
    RT ACCELERATING AGENTS
         --ADDITIVES
        --ADDITIVES
--CHEMICAL ANALYSIS
--CHEMICAL ATTACK
--CHEMICAL GROUTING
--CHEMICAL GROUTS
--CHEMICAL PROPERTIES
--CHEMICAL SOIL STABILIZATION
                                                                                                                                     INSPECTION
LOW TEMPERATURE TESTS
                                                                                                                                     QUALITY CONTROL
RADIATION TESTS
                                                                                                                                     SAMPLING
STAINING
         -- CHEMISTRY
                                                                                                                                 WATER ANALYSIS -- WEAR TESTS
            DEHYDRATION
            ELECTROCHEMICAL INJECTION
HEAT OF HYDRATION
                                                                                                                        CHEMICAL WARFARE
                                                                                                                            UF MILITARY CHEMICAL OPERATIONS
RT CBR WARFARE
FLAME WARFARE
             PARTICLE INTERACTIONS
            SLAKING
STOICHIOMETRY
                                                                                                                                      MILITARY OPERATIONS
                                                                                                                        CHEMICAL WASTES 7
CHEMICAL REMOVAL (WATER
    TREATMENT) 1
BT WATER TREATMENT
                                                                                                                            BT WASTES
RT ACIDS
           ACTIVATED CARBON TREATMENT
ADSORPTION
                                                                                                                                     AIR POLLUTION
DETERGENTS
                                                                                                                                DETERGENTS
--EXHAUST GASES
--HEAVY METALS
--INDUSTRIAL WASTES
MINE WASTES
OIL WASTES
ORGANIC WASTES
PESTICIDE RESIDUES
PHENOLS
--POLLUTION
             CHLORINATION
CLARIFICATION
             DEAERATION
DEMINERALIZATION
             FILTRATION
ION EXCHANGE
              WATER SOFTENING
CHEMICAL RESISTANCE TESTS
BT CONCRETE TESTS
                                                                                                                                  -- POLLUTION
                                                                                                                                     RADIOACTIVE WASTES
                                                                                                                                     SEWAGE
CHEMICAL RESISTANT COATINGS
                                                                                                                        CHEMICALLY BOUND WATER USE ADSORBED WATER
                                                                                                                                                                            1 2
CHEMICAL SOIL STABILIZATION 2 3 5
BT SOIL STABILIZATION
NT LIME SOIL STABILIZATION
SALT SOIL STABILIZATION
SULFUR SOIL STABILIZATION
RT CALCIUM SILICATES
                                                                                                                       CHEMICALS 2 3
NOTE: For general usage;
names of specific chemicals
will be found as separate
         CAMENT SOIL STABILIZATION
--CHEMICAL GROUTING
--CHEMICAL GROUTS
--CHEMICAL PROPERTIES
--CHEMICAL REACTIONS
--CHEMISTRY
                                                                                                                            HEMISTRY 1 2 3 6 7
UF ANALYTICAL CHEMISTRY
NT ELECTROCHEMISTRY
GEOCHEMISTRY
                                                                                                                                     GROUNDWATER CHEMISTRY
PHYSICAL CHEMISTRY
             CHROME LIGNIN
FLY ASH
                                                                                                                            PHYSICAL CHEMISTRY
SOIL CHEMISTRY
--WATER CHEMISTRY

T--CHEMICAL ANALYSIS
--CHEMICAL ATTACK
CHEMICAL ENGINEERING
--CHEMICAL PROPERTIES
--CHEMICAL REACTIONS
--CHEMICAL SOIL STABILIZATION
PRECIPITATION (CHEMISTRY)
STOICHIOMETRY
             JOOSTEN PROCESS
PHOSPHATES
            SILICA
SODIUM CHLORIDE
SODIUM SILICATES
SOIL CHEMISTRY
         -- SUT FATES
CHEMICAL STRATIFICATION 1
NOTE: Condition found in
                                                                                                                                     STOICHIOMETRY
                                                                                                                       CHEMOSYNTHESIS 7
NOTE: Kind of nutrition found
in various bacteria in which
energy is secured from the
oxidation of inorganic
        temperate lakes of the second
order during the summer and
winter stagnation periods in
which certain horizontal strata
   which certain norizontal strace
become different chemically
from adjacent ones, often with
abrupt transitions
BT STRATIFICATION (WATER)
RT STRATIFIED FLOW
WATER PROPERTIES
                                                                                                                                 materials
BIOLOGICAL PRODUCTIVITY
                                                                                                                                     OXIDATION
PHOTOSYNTHESIS
                                                                                                                            HERT 2 3
BT ROCKS
                                                                                                                        CHERT
CHEMICAL SYMBOLS 1 2 3 4 5 6 7
                                                                                                                                     SEDIMENTARY ROCKS
     use SYMBOLS
                                                                                                                                     SILICEOUS ROCKS
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CHEMICAL TESTS 3 7
NT ACID RESISTANCE TESTS
--CHEMICAL ANALYSIS

CHERT (Con.)
RT--AGGREGATES
--LIMESTONES
MARINE DEPOSITS CHLORINATORS RT CHLORINATION HLORINE 1 2 3
BT GASES
RT--CHLORIDES
SODIUM CHLORIDE
--WATER CHEMISTRY CHLORINE QUARTZ. --SILICA CHEZY EQUATION HEZY EQUATION 1
BT RESISTANCE EQUATIONS
RT CANAL DESIGN CHLORINITY CHANNEL DESIGN
DARCY-WEISBACH EQUATION
DISCHARGE MEASUREMENT
HYDRAULIC RADIUS use SALINITY CHLORITES 2 3
BT CLAY MINERALS
MINERALS
SILICATE MINERALS KUTTER FORMULA MANNING EQUATION OPEN CHANNEL FLOW REYNOLDS NUMBER SURFACE ROUGHNESS CHLORO PHYLLS (HYDRAULICS) UNIFORM FLOW NOTE: Pigment responsible for the green color of plants and important in photosynthesis BT PIGMENTS CHICAGO CAISSONS 2 PLANT PIGMENTS BIOLOGICAL PRODUCTIVITY CHIMNEY DRAINS 1 2 BT DRAINAGE STRUCTURES PHOTOSYNTHESIS DRAINS
EARTH DAM SEEPAGE
ROCKFILL DAM SEEPAGE
SLOPING DRAINS CHLOROPHYTA 7
UF GREEN ALGAE
BT ALGAE
PLANTS (BOTANY) VERTICAL DRAINS NT CHLORELLA CHIMNEYS 7 UF STACKS (EXHAUST) RT PLUMES CHLOROPRENE RESINS 2 UF NEOPRENES
BT RESINS (SYNTHETIC)
RT-~ELASTOMERS SMOKE --RUBBER CHIRONOMIDAE 7
NOTE: Family of minute longlegged nematocerous twowinged flies that is now
usually restricted to forms
without piercing mouth parts
use DIPTERA SYNTHETIC RUBBER CHORD MODULUS 2 3 4
NOTE: Slope of the chord drawn
between any two specified
points on the stress strain curve BT MECHANICAL PROPERTIES CHLORELLA 7
NOTE: Genus of unicellular
green algae
BT ALGAE
CHLOROPHYTA
CHANGE (ROTANY) T MECHANICAL PROPERTIES
MODULUS OF DEFORMATION
MODULUS OF ELASTICITY
I INITIAL TANGENT MODULUS
SECANT MODULUS
--SHEAR PROPERTIES
--TANGENT MODULUS
--TENSILE PROPERTIES PLANTS (BOTANY)
RT--AQUATIC ALGAE
--AQUATIC MICROORGANISMS
--AQUATIC PLANTS CHROMATOGRAPHY 3 6 7
NOTE: Separating of closely
related compounds by allowing
a solution of them to seep
through an adsorbent so that
the different compounds become
adsorbed in separate colored
layers comprising a chromatogram
NT GAS CHROMATOGRAPHY
RT ABSORBERS (MATERIALS)
--ADSORPTION
--CHEMICAL ANALYSIS
COLORIMETRIC ANALYSIS RLORIDES 1 2 3
NOTE: Salts of hydrochloric acid
BT SALTS
NT CALCIUM CHLORIDES
SODIUM CHLORIDE CHLORIDES RT CHLORINE CHLORINATED HYDROCARBON
PESTICIDES 7
NOTE: Class of generally longlasting , broad spectrum
insecticides of which the best
known is DDT COLORIMETRIC ANALYSIS COLORIMETRY SORPTION SPECTROPHOTOMETRY BT PESTICIDES NT DDT DIELDRIN CHROME LIGNIN 2 3 BT LIGNIN RT--CHEMICAL SOIL STABILIZATION CHROME LIGNIN GROUTS CHLORINATION 1 7
NOTE: Process by which chlorine
in gaseous or soluble form
sterilizes water
RT BIOCHEMICAL OXYGEN DEMAND
CHEMICAL REMOVAL (WATER
TREATMENT)
CHLORINATORS
DISTRECTION CHROME LIGNIN GROUTS BT CHEMICAL GROUTS GROUTS RT CHROME LIGNIN DISINFECTION
--SEWAGE TREATMENT
SLUDGE DISPOSAL
WATER PURIFICATION
--WATER TREATMENT CHROMIUM BT METALS RT ALLOYS

--COATINGS

-- CORROSION PREVENTION

CIRCADIAN RHYTHMS 7
NOTE: Regular repetition of activities (cellular or organismic) at intervals of about 24 hours, even in the absence of regular diurnal cues such as light
RT-BIOGEOCHEMICAL CYCLE CHRONOMETERS 1
BT MEASURING INSTRUMENTS CHRYSOPHYTA NOTE: Yellow-green or yellow-brown algae and diatoms BT ALGAE
PLANTS (BOTANY)
NT DIATOMS
RT SOIL ALGAE BIORHYTHMS DIURNAL VARIATIONS CIRCUIT DESIGN CHURCHES 3
use RELIGIOUS BUILDINGS use CIRCUITS CHURN DRILL RIGS 2
use PERCUSSION DRILL RIGS CIRCUIT THEORY
use CIRCUITS 6 CIRCUITS CHURN DRILLING 2
use PERCUSSION DRILLING IRCUITS 6
UF CIRCUIT DESIGN
CIRCUIT THEORY
ELECTRIC CIRCUITS
ELECTRIC NETWORKS
ELECTRONIC CIRCUITS
NT INTEGRATED CIRCUITS
LOGIC CIRCUITS
MULTIVIBRATORS
TRANSISTOR CIRCUITS CHUTE BLOCKS 1 BAFFLES CHUTE SPILLWAYS DENTATED SILLS DROP STRUCTURES ENERGY DISSIPATION MULTIVIERATORS
TRANSISTOR CIRCUITS
VACUUM TUBE CIRCUITS
AMPLIFIERS
--ELECTRIC CURRENTS
ELECTRIC WIRE
ELECTRICAL GROUNDING
--ELECTRON TUBES
TRANSISSION LINES HYDRAULIC JUMP JET DIFFUSION -- OUTLET WORKS -- SPILLWAYS STILLING BASINS CHUTE SPILLWAYS 1
BT SPILLWAYS
RT CHUTE BLOCKS
CONTROL STRUCTURES TRANSMISSION LINES CIRCULAR BEAMS 3 use CURVED BEAMS --DAMS CIRCULAR FOOTINGS 2 3 FLASHBOARDS BT FOOTINGS FOUNDATIONS SLUG FLOW SLUICES SPILLWAY CRESTS STILLING BASINS SHALLOW FOUNDATIONS RT COLUMN FOOTINGS CIRCULAR PRESTRESSING CHUTES RT BYPASSES
CHUTE BLOCKS
--CONCRETE PLACING
--CONVEYORS
DENTATED SILLS BT PRESTRESSING
RT CONCRETE CYLINDERS
--CONCRETE PIPES POST-TENSIONING DENTATED STRUCTURES
PLOOD CONTROL
GRAVITY CONVEYORS
GUIDE WALLS
MATERIALS HANDLING
MATERIALS HANDLING EQUIPMENT RCULATION 1 7
NOTE: Physical movement of gases or liquids
RT CONVECTION
--DIFFUSION CIRCULATION DISPERSION HYDROLOGIC CYCLE SLUG FLOW MIXING
--WIND (METEOROLOGY)
WIND PRESSURE
WIND VELOCITY SLUICES -SPILLWAYS CINDERS NDERS 2 3 5 RT--AGGREGATES CIRCUMFERENTIAL STRESS 2 3 4 --CLINKER
COHESIONLESS SOILS
FINE AGGREGATES
LIGHTWEIGHT AGGREGATES BT STRESSES
RT RADIAL STRESS
SHEAR STRESS
--VANE SHEAR TESTS SLAGS VOLCANIC ASH --VOLCANIC SOILS CITY PLANNING use URBAN PLANNING CIPOLLETTI WEIRS 1 CIVIL DEFENSE 1 2 4 BT WEIRS BT NATIONAL DEFENSE
RT AIR DEFENSE
AIR RAID SHELTERS
DISASTERS
FALLOUT SHELTERS
RATE DEPERTMENT WEIRS
BROAD-CRESTED WEIRS
DISCHARGE MEASUREMENT
PLOW MEASUREMENT
RECTANGULAR WEIRS
SHARP-CRESTED WEIRS
STAFF GAGES FARLOUT SHELLERS
FIRE PROTECTION
MISSILE FACILITY DESIGN
MOUNDED STRUCTURES
--NUCLEAR EXPLOSION EFFECTS
-NUCLEAR EXPLOSIONS
NUCLEAR RADIATION SUBMERGED WEIRS VEE-NOTCHED WEIRS -- WATER MEASUREMENT WEIR CRESTS WEIR PONDS

· AND

CIVIL DEFENSE (Con.)
NUCLEAR WARPARE
NUCLEAR WARFARE DEFENSE
NUCLEAR WARPARE EFFECTS CLAMSHELLS (Con.)
EARTH HANDLING EQUIPMENT EXCAVATORS BACKHOES PROTECTIVE CONSTRUCTION PUBLIC UTILITIES DRAGLINES -- DREDGES RADIOACTIVE FALLOUT RADIOLOGICAL WARFARE CLAPOTIS use STANDING WAVES (WATER) SAFETY SHELTER OCCUPANCY -SHELTERS
UNDERGROUND OPENINGS
UNDERGROUND STRUCTURE DESIGN
-UNDERGROUND STRUCTURES
-UNDERGROUND WATER STORAGE CLARIFICATION 1 7
NOTE: In waste water treatment, the removal of turbidity
and suspended solids by settling, often aided by centrifugal action and URBAN PLANNING WARNING SYSTEMS WATER SUPPLY centritugal action and
chemically induced coagulation
BT SEPARATION
RT ACTIVATED CARBON TREATMENT
ACTIVATED SLUDGE PROCESS
CHEMICAL REMOVAL (WATER CIVIL ENGINEERING 1 2 3 4 5 6

NT COASTAL ENGINEERING
DRAINAGE ENGINEERING
GEOTECHNICAL ENGINEERING
--HYDRAULIC ENGINEERING
IRRIGATION ENGINEERING
RAILROAD ENGINEERING
RIVER ENGINEERING TREATMENT)
CLARIFIERS
COAGULATION -- DECONTAMINATION EFFLUENTS FILTRATION FILTRATION
FLOCCULATION
LAGOONS (PONDS)
PRECIPITATION (CHEMISTRY)
SEDIMENTATION ROAD ENGINEERING AIRPORTS ARCHITECTURE -- BRIDGES --BUILDINGS SEWAGE TREATMENT SKIMMING -- CANALS -- CONSTRUCTION -- WATER TREATMENT --DAMS --DESIGN CLARIFIERS ELECTRICAL ENGINEERING NOTE: In waste water treatment, a settling tank which mechanically removes settleable solids from ENGINEERING GEOLOGY ENVIRONMENTAL ENGINEERING GEOPHYSICAL EXPLORATION wastes RT CLARIFICATION HARBORS -- PLUID FILTERS
-- PRECIPITATORS
SEDIMENTATION TANKS
-- SEWAGE TREATMENT HIGHWAYS --HYDRAULICS INDUSTRIAL ENGINEERING -MAPPING
MARINE ENGINEERING
MECHANICAL ENGINEERING
MILITARY ENGINEERING
MINING ENGINEERING --WATER TREATMENT CLASSIFICATION TESTS 2 5 use INDEX TESTS MUNICIPAL ENGINEERING -- ROADS CLASSIFICATIONS LASSIFICATIONS 2 3 4 5

NT HYDROLOGIC GEOMETRY
CLASSIFICATION
MICROGEOMETRY CLASSIFICATION
ROCK CLASSIFICATION
SNOW CLASSIFICATION
--SOIL CLASSIFICATION
--SURFACE COMPOSITION
CLASSIFICATION
CLASSIFICATION ROCK MECHANICS
SANITARY ENGINEERING
--SOIL MECHANICS
STRESS ANALYSIS --STRUCTURAL ANALYSIS
--STRUCTURAL DESIGN
STRUCTURAL ENGINEERING
--STRUCTURAL FORMS CLASSIFICATION
SURFACE GEOMETRY CLASSIFICATION
-TERRAIN CLASSIFICATION
TRAPPICABILITY CLASSIFICATION
VEGETATION CLASSIFICATION -- SURVEYING water Resources
--water Supply
--waterways (Transportation) VEHICLE CLASSES CIVIL LAW 1 RT--WATER LAW CLAY CORES (DAMS)
use CORES (DAMS) CLAIMS (CONTRACTS) 6
BT CONTRACT ADMINISTRATION
RT CHANGE ORDERS CLAY GRAVEL CLAYEY SOILS COHESIVE SOILS BT -- CONTRACTS LITIGATION RT BOULDER CLAY GLACIAL TILL NEGOTIATIONS --GRAVELS CLAMS BT AQUATIC ANIMALS BENTHIC FAUNA CLAY GROUTING 2 3 BT GROUTING SOIL GROUTING BENTONITE GROUTING BENTHOS INVERTEBRATES MOLLUSCA CLAY GROUTS SHELLFISH RT OYSTERS CLAY GROUTS BT GROUTS CLAMSHELLS 1 2
NOTE: Type of excavating
equipment
BT CONSTRUCTION EQUIPMENT SOIL GROUTS BENTONITE GROUTS CLAY GROUTING

CLAY GROUTS (Con.)
CLAY SUSPENSIONS
CLAYS SOIL GROUTING CLAY LUMP TESTS 3 BT AGGREGATE TESTS CLAY MINERALOGY 2 3
BT MINERALOGY
SOIL MINERALOGY
SOIL SCIENCE
RT ATOMIC BONDS
--CHEMICAL ANALYSIS
--CLAY MINERALS
CLAY STRUCTURE --CLAYS CRYSTALLOGRAPHY DIFFERENTIAL THERMAL ANALYSIS
--SOIL MECHANICS
X RAY ANALYSIS CLAY MINERALS 2 3 5 BT MINERALS SILICATE MINERALS ALLOPHANES ATTAPULGITE CHLORITES FIRECLAYS HOLLOYSITE ILLITE KAOLINITE MONTMORILLONITE VERMICULITE ACTIVITY RATIO BENTONITE
CLAY MINERALOGY
--CLAYEY SOILS
--CLAYS CLAYSTONES -- COLLOIDAL PROPERTIES COULOMB INTERACTIONS FELDSPARS MARL --MINERALOGY -- REFRACTORIES CLAY PIPES 1 2 5

UF CLAY TILE PIPES

VITRIFIED CLAY PIPES

BT CLOSED CONDUITS CONDUITS PIPES RT DRAIN TILES DRAINAGE PIPES -- DRAINS SEWER PIPES CLAY PRODUCTS (STRUCTURAL) 3
use STRUCTURAL CLAY PRODUCTS CLAY SHALES ROCKS SEDIMENTARY ROCKS SHALES SILICEOUS ROCKS RT--CLAYEY SOILS
--CLAYS CLAYSTONES DECOMPOSITION SLAKING CLAY STRUCTURE 2

UF CLUSTER STRUCTURE (SOILS)

DISPERSED STRUCTURE (SOILS)

FLOCCULANT STRUCTURE (SOILS)

HONEYCOMB STRUCTURE (SOILS)

REMOLDED STRUCTURE (SOILS)

SKELETON STRUCTURE (SOILS)

BT SOIL STRUCTURE

ADSORBED WATER

CLAY STRUCTURE (Con.)
ATOMIC BONDS
CLAY MINERALOGY -CLAYS COULOMB INTERACTIONS DOUBLE LAYER THEORY PLOCCULATION INTRINSIC FORCES
MATRICES (MATERIALS)
-SEDIMENTATION SOIL PHYSICS SOIL POROSITY THIXOTROPY --VOID RATIO CLAY SUSPENSIONS RT CLAY GROUTS --CLAYS 2 3 DRILLING FLUIDS
SLURRIES CLAY TILE PIPES 2 5 USE CLAY PIPES CLAYEY SOILS 2 3
BT COHESIVE SOILS
NT ADOBE
BOULDER CLAYS CLAY GRAVEL GUMBO SOIL GYPSUM SOILS LOAMS MARL
RT--ATTERBERG LIMITS
--CLAY MINERALS
CLAY SHALES --CLAYS CLAYSTONES --COHESION --FINE GRAINED SOILS FINES GRID ROLLERS GRID ROLLERS
HARDPAN
IMPERVIOUS SOILS
LACUSTRINE DEPOSITS
MOLE DRAINS
PLASTICITY
RELATIVE CONSISTENCY
SEGMENTED WHEEL ROLLERS
--SHEEPSPOOT ROLLERS
--WET ANALYSIS CLAYS 1 2 3 5
BT COHESIVE SOILS
FINE GRAINED SOILS
NT BENTONITE
--EXPANSIVE CLAYS FISSURED CLAYS
GLACIAL CLAYS
GOUGE CLAY
--INORGANIC CLAYS KAOLIN MARINE CLAYS ORGANIC CLAYS QUICK CLAYS REMOLDED CLAYS RESEDIMENTED CLAYS RESEDIMENTED CLAYS
SENSITIVE CLAYS
VARVED CLAYS
VOLCANIC CLAYS
RT--ATTERBERG LIMITS
BACKSWAMP DEPOSITS
BINDERS BINDERS BOTTOM SEDIMENT BRICKS CALICHE CERAMIC MATERIALS CLAY GROUTS
CLAY MINERALOGY
--CLAY MINERALS
CLAY SHALES

CLAY STRUCTURE

CLAYS (Con.)
CLAY SUSPENSIONS
--CLAYEY SOILS CLEAVAGE STRENGTH (ROCK) (Con.) FRACTURE OF SOLIDS RIGIDITY
SHEAR STRENGTH (ROCK)
TENSILE STRENGTH (ROCK) CLAYSTONES -- COHESION COLLOIDS DRILLING FLUIDS CLIMATE RT--BIOMES EXPANDED CLAY AGGREGATES CLIMATIC CHANGES CLIMATIC DATA FINES -GLACIAL DEPOSITS GRAIN SIZES --CLIMATOLOGY GRAYWACKE CLIMATIC ANALOGS 5
RT ANTARCTIC REGIONS
ARCTIC REGIONS HARDPAN
IMPERVIOUS SOILS
LACUSTRINE DEPOSITS
--LIGHTWEIGHT AGGREGATES ARID REGIONS CLIMATOLOGY DESERTS SUBARCTIC REGIONS -- MASONRY MOLDING MATERIALS TEMPERATE REGIONS
TROPICAL REGIONS MUCK MUD LUMPS PLASTICITY CLIMATIC CHANGES --REFRACTORIES
RELATIVE CONSISTENCY
--RESIDUAL SOILS
--SEDIMENTARY ROCKS RT--ATMOSPHERE CLIMATE GLACIATION SOLAR RADIATION --SHALES WEATHER SLATES SOIL TEXTURE
-STRUCTURAL CLAY PRODUCTS
VERMICULITE CLIMATIC CLIMAX 7
NOTE: Climax in which the regional climate is the controlling factor
BT CLIMAX
ECOSYSTEMS
ECOSYSTEMS CLAYSTONES 2 3
BT ROCKS
SEDIMENTARY ROCKS SUCCESSION SILICEOUS ROCKS
RT--CLAY MINERALS
CLAY SHALES
--CLAYEY SOILS CLIMATOLOGICAL DATA RT CLIMATOLOGY METEOROLOGICAL DATA
--METEOROLOGICAL PACTORS
--PRECIPITATION (METEOROLOGY) --CLAYS MUDSTONES SANDSTONES --SHALES -- TERRAIN DATA SILTSTONES CLIMATOLOGY 2 1 NOTE: Study of climates and their influence NT MICROCLIMATOLOGY CLEANING RT--ABRASIVE BLASTING CLEANING AGENTS
CONCRETE FINISHES (HARDENED
CONCRETE) PALEOCLIMATOLOGY AIR TEMPERATURE ANTARCTIC REGIONS ARCTIC REGIONS ARID REGIONS ATMOSPHERE CLEANING AGENTS 3 RT--ABRASIVE BLASTING CLIMATE CLIMATIC ANALOGS ACIDS CLEANING CLIMATOLOGICAL DATA SOAPS SOLVENTS DESERTS DEW POINT DROUGHTS SURFACTANTS -- ENVIRONMENTS EVAPORATION CLEARING LEARING 2 5 BT SITE PREPARATION EVAPOTRANSPIRATION
--GEOGRAPHY (CONSTRUCTION)
MINE CLEARING HUMID REGIONS
HUMIDITY
--HYDROMETEOROLOGICAL VEGETATION CLEARING BULLDOZERS EARTHWORK STATIONS -- EXPLOSION EFFECTS --ICE --LAND CLEARING VEHICLES MUNITION EFFECTIVENESS METEOROLOGICAL DATA METEOROLOGY
PERMAPROST REGIONS
-POLAR REGIONS
-PRECIPITATION
(METEOROLOGY) STRIPPING CLEATS (TRACK) use TRACK GROUSERS RAIN AND RAINFALL CLEAVAGE STRENGTH (ROCK) 2 BT MECHANICAL PROPERTIES ROCK PROPERTIES ROCK STRENGTH 2 3 4 --REGIONS --REGIONS
--SOLAR RADIATION
SUBARCTIC REGIONS
SUBHUMID REGIONS BRITTLENESS COMPRESSIVE STRENGTH (ROCK) FRACTURE MECHANICS SUNLIGHT SYNOPTIC ANALYSIS

```
CLOSED CONDUITS (Con.)
AQUEDUCTS
BELLMOUTHS
CLIMATOLOGY (Con.)
TEMPERATE REGIONS
         -TEMPERATURE
          TRANSPIRATION
                                                                                                        -- CHANNELS
-- CLOSED CONDUIT FLOW
           TROPICAL REGIONS
                                                                                                         IRRIGATION DESIGN
--PIPELINES
           WEATHER
       --WEATHER MODIFICATION
--WIND (METEOROLOGY)
                                                                                                            UNSTEADY-FLOW MODELS
(CLOSED CONDUIT)
                                                                                                            VENTURI METERS
WATER HAMMER
CLIMAX
   LIMAX 7
NOTE: Final, stable community in
an ecological succession which
is able to reproduce itself in-
                                                                                                            WYE BRANCHES
                                                                                                 CLOSED ECOLOGICAL SYSTEM 7
NOTE: No exchange of material
       definitely under existing
   conditions
BT ECOSYSTEMS
SUCCESSION
NT CLIMATIC CLIMAX
                                                                                                         with objects outside of the
                                                                                                     system
RT--ECOLOGY
HUMAN ECOLOGY
          DISCLIMAX
ECOLOGICAL SUCCESSION
                                                                                                 CLOSED-TUBE BELT CONVEYORS
           POSTCLIMAX
                                                                                                     BT BELT CONVEYORS
CONVEYORS
MATERIALS HANDLING
           PRECLIMAX
   SUBCLIMAX
RT DOMINANT ORGANISMS
                                                                                                               EQUIPMENT
CLINKER
    INKER 3
NT PORTLAND CEMENT CLINKER
RT--CEMENTS
                                                                                                 CLOSURES
                                                                                                     NT BLAST CLOSURE VALVES
BLAST DOORS
RIVER CLOSURES
TUNNEL CLOSURES
           CINDERS
        -- HYDRAULIC CEMENTS
           SINTER (MATERIAL)
                                                                                                     RT--BARRIERS
--COFFERDAMS
        --SLAGS
                                                                                                         --DAMS
CLOSED CONDUIT FLOW 1
                                                                                                         -- DIVERSION WORKS
    BT FLOW
NT--PIPE FLOW
                                                                                                         FASTENERS
--FILLS
    NT--PIPE FLOW
RT--CONSED CONDUITS
--CONDUIT BENDS
--CONDUIT FLOW
FLOW PATTERNS
UNSTRADY-FLOW MODELS
(CLOSED CONDUIT)
                                                                                                          --JOINTS (JUNCTIONS)
--SEALERS
                                                                                                            SEALING COMPOUNDS
SEALS (STOPPERS)
UNDERGROUND OPENINGS
                                                                                                          --VALVES
                                                                                                            WATERSTOPS
CLOSED-CONDUIT SPILLWAYS
          SPILLWAYS
CONTROL STRUCTURES
                                                                                                  CLOUD SEEDING
                                                                                                     UF RAIN MAKING
RAIN STIMULATION
BT WEATHER MODIFICATION
RT ARTIFICIAL PRECIPITATION
          FLIP BUCKETS
SHAFT SPILLWAYS
SPILLWAY CRESTS
STILLING BASINS
CLOSED CONDUITS 1
                                                                                                  CLOTH
                                                                                                     use FABRICS
    BT CONDUITS
NT ASBESTOS-CEMENT PIPES
                                                                                                 CLOUD SEEDING 7
BT WEATHER MODIFICATION
RT RAIN AND RAINFALL
        --BURIED PIPES
          CAPILLARY TUBES
CAST-IN-PLACE PIPES
CAST IRON PIPES
CLAY PIPES
                                                                                                  CLOUDBURSTS 1
BT PRECIPITATION (METEOROLOGY)
STORMS
       CLAY PIPES
-CONCRETE PIPES
CORRUGATED METAL PIPES
DHAIN TILES
FLEXIBLE PIPES
FLEXIBLE TUBING
                                                                                                     RT--EROSION
                                                                                                            -EHOSION
FLOODS
RAIN AND RAINFALL
STORM RUNOFF
SURFACE RUNOFF
THUNDERSTORMS
           HOSES
        --METAL PIPES
        --PIPES
           PITOT TUBES
PLASTIC PIPES
PLASTIC TUBING
PRESSURE PIPES
                                                                                                  CLOUDS 1
RT ATMOSPHERE
                                                                                                             CONVECTION
HYDROMETEOROLOGY
          PRESSURE FIFES
PRETENSIONED PIPES
REINFORCED PLASTIC PIPES
-RIGID TUBING
RUBBER PIPES
                                                                                                             PRECIPITATION (METEOROLOGY)
THUNDERSTORMS
                                                                                                             WEATHER
           SIPHONS
STEEL PIPES
                                                                                                  CLUSTER ANALYSIS 6
RT STATISTICAL ANALYSIS
           VORTEX TUBES
                                                                                                  CLUSTER STRUCTURE (SOILS)
          AIR DEMAND
AIR TRAPS
                                                                                                      use CLAY STRUCTURE
```

CNOIDAL WAVES 1 BT WATER WAVES WAVES COAGULANTS RT DEFLOCCULANTS FLOCCULANTS COAGULATION NOTE: Clumping of particles in order to settle out impurities; often induced by chemicals such as lime or alum BIOCHEMICAL OXYGEN DEMAND
CLARIFICATION
DEPOSITION
FLOCCULATION
LIQUID WASTES
PRECIPITATION (CHEMISTRY) -SEDIMENTATION --SEPARATION --SEWAGE TREATMENT SOLID WASTES TERTIARY TREATMENT
WASTE WATER TREATMENT
--WATER TREATMENT COAL 2 3 BT ORGANIC DEPOSITS RT--BITUMENS --CARBON COAL TARS
--ECONOMIC GEOLOGY
--GEOLOGICAL DEPOSITS
--HYDROCARBONS LIGNITE PEAT -- SEDIMENTARY ROCKS COAL ASH 3 use FLY ASH COAL MINING BT MINING RT MINING ENGINEERING OPEN PIT MINING STRIP MINING DAL TAR 2 5 BT TARS RT--BITUMENS COAL TAR BITUMINOUS COATINGS COAL -- COATINGS -- CORROSION PREVENTION DUST CONTROL DYES --HYDROCARBONS --LININGS --PAINTS --SEALERS WATERPROOF COATINGS COAL TAR COATINGS 2 5 COANDA EFFECT 1 RT JETS (FLUIDS) COARSE AGGREGATES 2 3 5 DARSE AGGREGATES 2 3 5
BT AGGREGATES
GRANULAR MATERIALS
RT--COARSE GRAINED SOILS
CONCRETE AGGREGATES
CRUSHED STONE
--EXPOSED AGGREGATE CONCRETE
FINE AGGREGATES
--BRAVELS -- GRAVELS SINGLE GRAINED STRUCTURE

(SOILS)

A.W.

COARSE GRAINED SOILS 2 5 NT BEACH SANDS -- GRAVELS OPENWORK GRAVELS PEA GRAVELS QUICKSAND --SANDS SHINGLES (BEACH)
RT COARSE AGGREGATES COHESIONLESS SOILS CONSTANT HEAD PERMEAMETERS -- DRAINAGE FILTER MATERIALS PERVIOUS SOILS
SINGLE GRAINED STRUCTURE
(SOILS)
SLAGS SOIL (CONSTRUCTION MATERIAL) SOIL TEXTURE UNIFIED SOIL CLASSIFICATION SYSTEM COAST DEFENSES (MILITARY) FORTIFICATIONS MILITARY ENGINEERING ORDNANCE COAST PROTECTION 1 2 3 use SHORE PROTECTION COASTAL CURRENTS use LITTORAL CURRENTS OFFSHORE CURRENTS COASTAL ENGINEERING BT CIVIL ENGINEERING RT BEACH EROSION --BREAKWATERS
COASTAL MORPHOLOGY
--COASTAL STRUCTURES COASTS DIKES (EMBANKMENTS)
--EROSION CONTROL
HARBOR ENGINEERING HARBORS --HYDRAULIC ENGINEERING LITTORAL DEPOSITS MARINE ENGINEERING -MARINE STRUCTURES SEA WALLS
SHORE PROTECTION
--SHORES
TIDAL MODELS
WATER WAVE MODELS COASTAL IMAGERY DATA BANK 7
use COASTAL TOPOGRAPHIC FEATURES COASTAL INLETS 1 BT INLETS (WATERWAYS) RT COASTS COASTAL MARSHES 1 7 BT MARSHES WETLANDS RT COASTS SALT MARSHES --SWAMPS TIDAL MARSHES SHORE PROCESSES
GEOLOGY
GEOMORY COASTAL MORPHOLOGY GEOMORPHOLOGY
PHYSICAL GEOLOGY
RT--BARS (COASTAL)
--BEACHES COASTAL ENGINEERING COASTAL ZONE COASTS CONTINENTAL SHELF

COASTAL MORPHOLOGY (Con)	COASTS (Con)
ESTUARIES LITTORAL ZONE	LAND-WATER INTERFACE LIGHTHOUSES
REEFS	LITTORAL DEPOSITS
SHOALS	MARINE ENVIRONMENT
SHORES SPITS (COASTAL)	OCEAN CURRENTS OCEANS
SUBMARINE CANYONS	SANDBARS
WATER WAVE ACTION ON BEACHES	SHOALING SHOALS
COASTAL PLAINS 1	SHORE PROTECTION
RT DELTAS	SHORES
SHORES	SPITS (COASTAL)
COASTAL STRUCTURES 1 2 3 4	COATED PIPES 3
UF SHORE STRUCTURES BT MARINE STRUCTURES	BT PIPES RT-~COATINGS
NT SEA WALLS	PIPE LININGS
RTBREAKWATERS BULKHEADS	COATINGS 1 2 3 5 6
COASTAL ENGINEERING	UF SURFACE COATINGS
COASTAL ZONE	NT ABRASION RESISTANT COATINGS
CCASTS GROINS	ASPHALT PAINT BITUMINOUS COATINGS
HARBOR STRUCTURES	CHEMICAL RESISTANT COATINGS
JETTIES LITTORAL ZONE	CONCRETE COATINGS EPOXY COATINGS
OFFSHORE STRUCTURES	FIRE RESISTANT COATINGS
SHORE PROTECTIONSHORES	LACQUERS COATTINGS
ShoreS	ORGANIC COATINGS
COASTAL TOPOGRAPHIC FEATURES 7	PHOTOELASTIC COATINGS
UF COASTAL IMAGERY DATA BANK BT TOPOGRAPHIC FEATURES	PROTECTIVE COATINGS PROTECTIVE COATINGS
NT BAYS (TOPOGRAPHIC FEATURES)	(LANDING MATS)
ESTUARIES LAGOONS (LANDFORMS)	PROTECTIVE COATINGS (MEMBRANES)
RT BEACHES	SLURRY COATINGS
DELTAS	SPRAYED COATINGS
DUNES OCEANS	VARNISHES WATERPROOF COATINGS
SHOALS	RTADHESIVES
SWAMPS TOPOGRAPHY	ALUMINUM CATHODIC PROTECTION
TOPOGRAFIII	CHROMIUM
COASTAL ZONE 1 RT BEACH EROSION	COAL TAR
BEACHES	COATED PIPESCOMPOSITE MATERIALS
COASTAL MORPHOLOGY	CONCRETE FINISHES
COASTAL STRUCTURES COASTS	(HARDENED CONCRETE) CONCRETE SURFACES
LITTORAL ZONE	COPPER
OCEANS SHORES	CORROSIONCORROSION PREVENTION
SURF ZONE	FACINGS
TIDES	FINISHES GRAPHITE
COASTER GATES 1	INHIBITORS
BT HYDRAULIC GATES ROLLER-MOUNTED GATES	INTUMESCENT MASTIC
RT EMERGENCY GATES	LEAD LININGS
FIXED WHEEL GATES	LINSEED OIL
GATE HOISTS INTAKE GATES	MORTARS (MATERIAL) NICKEL
OUTLET WORKS	NONSKID COMPOUNDS
COASTLINE 1 2 5	PASSIVITY PLASTICIZERS
use COASTS	POLYETHYLENE
COASTS 1 2 5	POLYPROPYLENERESINS (SYNTHETIC)
UP COASTLINE BT TOPOGRAPHIC FEATURES	SARAN (TRADEMARK)
BT TOPOGRAPHIC FEATURES	SEALERS
RTBARS (COASTAL) BEACHES	SEALING COMPOUNDS
COASTAL ENGINEERING	SHOTCRETE
COASTAL INLETS COASTAL MARSHES	SILICON SOLVENTS
COASTAL MORPHOLOGY	SURFACE FINISHING
COASTAL STRUCTURES	TIN
COASTAL ZONE DELTAS	WATERPROOFING WAXES
DUNES	WEATHERPROOFING
FJORDS HYDROGRAPHIC SURVEYS	WOOD PRESERVATIVES ZINC
HYDROGRAPHY	DANO .

COEFFICIENT OF EXPANSION USE THERMAL EXPANSION COAXIAL CABLES RT--TELEVISION UNDERWATER TELEVISION COBBLES UF COBBLESTONES RT BOULDERS DAM FACINGS --GRAVELS --RIPRAP -- ROCKS --STONES COBBLESTONES 2 3 DBS 1 NOTE: Precast concrete armor units BT ARMOR UNITS COCKS 1
BT VALVES
RT--HYDRAULIC VALVES
--PNEUMATIC VALVES WELL THEORY DD 7
use CHEMICAL OXYGEN DEMAND CODES 1 2 3 4 5 6 7 use STANDARDS CODING 4 5 6 7 DDING 1 2 3 4 5 6 7

RT ABBREVIATIONS
ANALOG TO DIGITAL CONVERTERS
COMPUTER PROGRAMMING
COMPUTER PROGRAMS DATA TRANSMISSION DIGITAL RECORDING SYMBOLS COEFFICIENT OF ABSOLUTE VISCOSITY 2
USe COEFFICIENT OF VISCOSITY SUBGRADES COEFFICIENT OF COMPRESSIBILITY 2
UF COEFFICIENT OF COMPRESSION
COMPRESSIBILITY COEFFICIENT RT COEFFICIENT OF VOLUME COMPRESSIBILITY COMPRESSIBILITY
COMPRESSION INDEX
--CONSOLIDATION TESTS (SOILS)
CONSTRAINED MODULUS
PRESSURE VOID RATIO CURVES
SETTLEMENT ANALYSIS
--STRESS-STRAIN RELATIONS -GRADATION GRAIN SIZES COEFFICIENT OF COMPRESSION 2
Use COEFFICIENT OF COMPRESSIBILITY COEFFICIENT OF CONSOLIDATION 2
UF CONSOLIDATION COEFFICIENT
RT CONSOLIDATION (CONCRETE)
--CONSOLIDATION (SOILS) VARIABILITY DEGREE OF CONSOLIDATION
TIME FACTORS
TIME SETTLEMENT RELATIONSHIP COEFFICIENT OF CURVATURE RT EFFECTIVE GRAIN SIZE SHEAR STRESS VISCOMETERS --GRADATION
GRAIN SIZES
SOIL CLASSIFICATION
UNIFIED SOIL CLASSIFICATION VISCOSITY SYSTEM COEFFICIENT OF EARTH PRESSURE 2
UF EARTH PRESSURE COEFFICIENT
RT--EARTH PRESSURE MEASUREMENT
--EARTH PRESSURE THEORIES
HORIZONTAL LOADS
DELIVEY DAY STREES

PRINCIPAL STRESS RANKINES THEORY

COEFFICIENT OF FRICTION COEFFICIENT 2 3 4 5 COEFFICIENT OF INTERNAL FRICTION 2 3 4 use INTERNAL FRICTION COEFFICIENT OF KINETIC FRICTION USE FRICTION COEFFICIENT COEFFICIENT OF PERMEABILITY 1 2
UF PERMEABILITY COEFFICIENT
RT CONSOLIDATION THEORY DARCYS LAW
--FIELD PERMEABILITY TESTS
--LABORATORY PERMEABILITY TESTS -- PERMEABILITY TESTS --PERMEAMETERS
RELIEF WELL THEORY
TIME SETTLEMENT RELATIONSHIP COEFFICIENT OF STATIC FRICTION 2 3 4 use FRICTION COEFFICIENT COEFFICIENT OF SUBGRADE REACTION 2
UF MODULUS OF SUBGRADE REACTION
SUBGRADE REACTION COEFFICIENT BT SOIL PROPERTIES RT--PAVEMENT DESIGN --PLATE BEARING TESTS RIGID PAVEMENT DESIGN (AIRFIELDS)
RIGID PAVEMENT DESIGN (HIGHWAYS) STRESS-STRAIN CURVES STRESS-STRAIN RELATIONS (SOILS) COEFFICIENT OF SURFACE FRICTION 2 3 5 use SURFACE FRICTION COEFFICIENT OF THERMAL EXPANSION 2 3 4
use THERMAL EXPANSION COEFFICIENT OF UNIFORMITY UF UNIFORMITY COEFFICIENT RT EFFECTIVE GRAIN SIZE SOIL CLASSIFICATION UNIFIED SOIL CLASSIFICATION COEFFICIENT OF VARIATION 3
BT STATISTICAL ANALYSIS
RT--QUALITY CONTROL
STANDARD DEVIATION COEFFICIENT OF VISCOSITY 2 3

UF COEFFICIENT OF ABSOLUTE VISCOSITY VISCOSITY COEFFICIENT

RT FRICTION RESISTANCE COEFFICIENT OF VOLUME
COMPRESSIBILITY 2
UF MODULUS OF VOLUME CHANGE
RT COEFFICIENT OF COMPRESSIBILITY
COMPRESSION INDEX
--CONSOLIDATION TESTS (SOILS)
CONSTRAINED MODULUS
PRESSURE VOID RATIO CURVES
SETTLEMENT ANALYSIS
--STRESS-STRAIN RELATIONS

COMESIONLESS SOILS (Con.)
DISPERSION (SOILS)
--GRANULAR MATERIALS COFFERDAM SEEPAGE 1 2 BT SEEPAGE RT COFFERDAM UNDERSEEPAGE --GRAVELS
INTERNAL FRICTION
PERVIOUS SOILS
RELATIVE DENSITY -COFFERDAMS COFFERDAM UNDERSEEPAGE 1 2 SEEPAGE UNDERSEEPAGE COFFERDAM SEEPAGE SANDS SANDY SOILS SANDY SOILS
SINGLE GRAINED STRUCTURE
(SOILS)
SOIL (CONSTRUCTION
MATERIAL)
VIBRATORY COMPACTION
--VIBRATORY COMPACTORS -- COFFERDAMS OFFERDAMS 1 2 3
NOTE: Temporary structures
enclosing or protecting all or
part of a construction area
so that construction can be COFFERDAMS VIBROFLOTATION carried out in the dry COHESIVE SOILS NT ADOBE DAMS BRACED COFFERDAMS 2 5 CELLULAR COFFERDAMS
CRIBWALL COFFERDAMS
DOUBLE WALL COFFERDAMS
EARTH COFFERDAMS BENTONITE BOULDER CLAY CLAY GRAVEL --CLAYEY SOILS --CLAYS --EXPANSIVE CLAYS ROCKFILL COFFERDAMS SINGLE WALL COFFERDAMS FISSURED CLAYS
GLACIAL CLAYS
GOUGE CLAY
GUMBO SOILS
GYPSUM SOILS
--INORGANIC CLAYS RT--BULKHEADS -- CAISSONS --CLOSURES COFFERDAM SEEPAGE COFFERDAM UNDERSEEPAGE --CONCRETE DAMS --CONCRETE DAMS
CONTROL STRUCTURES
--DAM CONSTRUCTION
DIKES (EMBANKMENTS)
DIVERSION DAMS
--DIVERSION WORKS
DUMPED PILLS KAOLIN LOAMS MARINE CLAYS MARLS ORGANIC CLAYS QUICK CLAYS QUICK CLAYS
REMOLDED CLAYS
RESEDIMENTED CLAYS
SENSITIVE CLAYS
VARVED CLAYS
VOLCANIC CLAYS
RT--ATTEREERG LIMITS -- EARTH DAMS -- EMBANKMENTS -- POUNDATION CONSTRUCTION GRAVITY DAMS RIVER CLOSURES RIVER DIVERSION ROCKFILL DAMS SHEET PILING AUGER BORING BACKSWAMP DEPOSITS -COHESION COLLOIDAL PROPERTIES UNDERWATER FOUNDATIONS --WATER PRESSURE COLLOIDS --FINE GRAINED SOILS IMPERVIOUS SOILS KNEADING COMPACTION RELATIVE CONSISTENCY (SOILS) HESION 2 3 4 5 6 BT MECHANICAL PROPERTIES SHEAR STRENGTH APPARENT COHESION (SOILS) --SILTS ICE COHESION RT--ADHESION SOIL (CONSTRUCTION MATERIAL) COHRON SHEARGRAPH 5
BT MEASURING INSTRUMENTS
SHEAR EQUIPMENT
SOIL STRENGTH TEST INSTRUMENTS
RT SHEAR STRENGTH (SOILS)
SHEARGRAPH TESTS --ADHESIVES --BEARING CAPACITY BINDERS BONDING CAPILLARITY -CLAYEY SOILS --CLAYS --COHESIVE SOILS -SOIL STRENGTH SURFACE SOIL STRENGTH --COLLOIDAL PROPERTIES COULOMB EQUATION COULOMB INTERACTIONS --FRICTION -- TRAFFICABILITY TEST INSTRUMENTS VANE SHEAR EQUIPMENT INTERNAL FRICTION
INTERNAL FRICTION
INTRINSIC FORCES
MOHR-COULOMB THEORY
MOHR ENVELOPE COLD WEATHER CONSTRUCTION 2 3
UF CONCRETE WEATHER PROBLEMS
WINTER CONCRETING
WINTER CONSTRUCTION WINTER CONSTRUCTION
CONSTRUCTION
AIRFIELD CONSTRUCTION
AIRPORT CONSTRUCTION
COLD WEATHER OPERATIONS
-CONCRETE CONSTRUCTION
CONSTRUCTION IN PERMAPROST
BOOST PROTECTION PLASTICITY
--SHEAR TESTS
--SOIL STRENGTH
TOUGHNESS VISCOSITY COHESIONLESS SOILS 2 UF NONCOHESIVE SOILS RT--AGGREGATES ANGLE OF REPOSE FROST PROTECTION FROZEN SOILS ICE PERMAPROST REGIONS -- POLAR REGIONS SALAMANDERS CINDERS -- COARSE GRAINED SOILS SNOW ROADS SNOW RUNWAYS SUBARCTIC REGIONS

COLD WEATHER OPERATIONS 2 3 : UF WINTER OPERATIONS RT COLD WEATHER CONSTRUCTION CONSTRUCTION IN PERMAPROST COLLUVIUM 2 7
NOTE: Rock and soil accumulated
at the foot of a slope from
gravitational forces
RT DETRITUS 2 3 5 CRYOLOGY FROST PROTECTION -- EROSION FROZEN SOILS ICE DLOR 1 2 RT COLORIMETRY LOW TEMPERATURE --MILITARY OPERATIONS COLORS (MATERIALS)
ROCK CLASSIFICATION
SOIL CLASSIFICATION
WATER ANALYSIS
WATER PROPERTIES
WATER QUALITY PERMAFROST DRILLING PERMAFROST REGIONS -POLAR REGIONS SUBARCTIC REGIONS OLIFORMS 7
NOTE: Any of a number of organisms common to the intestinal tract of man and animals whose presence in water is an indicator of pollution and of potentially dangerous bacteria contamination BT BACTERIA MICROORGANISMS
RT--AUAUTIC BACTERIA COLIFORMS COLOR PHOTOGRAPHY PHOTOGRAPHY FLASH PHOTOGRAPHY HIGH SPEED PHOTOGRAPHY STEREOSCOPIC PHOTOGRAPHY COLORED CONCRETE BT CONCRETES
RT COLORING ADMIXTURES
COLORS (MATERIALS) RT--AQUATIC BACTERIA
--AQUATIC MICROORGANISMS
--AQUATIC PLANTS
ENTERIC BACTERIA DLORIMETERS 3 7
BT MEASURING INSTRUMENTS
RT COLORIMETRIC ANALYSIS COLORIMETERS PATHOGENIC BACTERIA LLAPSE 2 4
RT COLLAPSIBLE SOILS
--PAILURE (MECHANICS) COLORIMETRY COMPARATORS FLAME PHOTOMETRY PHOTOMETERS COLLAPSIBLE SOILS RT--FAILURES SPECTROMETERS SPECTROPHOTOMETERS --FLOW SLIDES LIQUEFACTION (SOILS) COLORIMETRIC ANALYSIS 3 7
NOTE: Method of chemical analysis
in which filtered solutions are
compared for color with known
concentrations of compounds
BT CHEMICAL ANALYSIS
CHEMICAL TESTS
BT CHEMICAL TESTS LOESS
QUICK CLAYS
QUICK CONDITION
QUICKSAND --SETTLEMENT SUBSIDENCE CHROMATOGRAPHY COLORIMETERS COLLECTOR PIPES
BT CONDUITS COLORIMETRY
FLAME PHOTOMETRY
MICROANALYSIS
PHOTOMETERS DEWATERING HEADER PIPES PHOTOMETRY
QUANTITATIVE ANALYSIS
SPECTROCHEMICAL ANALYSIS
SPECTROSCOPIC ANALYSIS COLLOIDAL PROPERTIES 1 2 NT--ADSORPTION BROWNIAN MOVEMENT PLASTICITY -- SPECTROSCOPY ADSORBED WATER WATER ANALYSIS OLORIMETRY 1 2 3 7
NOTE: Quantitative analysis of a substance by comparing the intensity of the color produced by a reagent with a standard color BT CHEMICAL ANALYSIS
RT--CHROMATOGRAPHY -- COHESION COLORIMETRY COLLOTDS ELECTROPHORESIS FLOCCULATION -- ION EXCHANGE COLLOIDS 1 2 3 7 UF SOIL COLLOIDS RT AEROSOLS COLOR COLORIMETERS --CLAYS COLORIMETRIC ANALYSIS
--OPTICAL INSTRUMENTS
SPECTROPHOTOMETRY --COHESIVE SOILS
--COLLOIDAL PROPERTIES
ELECTROPHORESIS
--EMULSIONS COLORING ADMIXTURES 3
BT ADMIXTURES
RT CARBON BLACK
COLORED CONCRETE
COLORS (MATERIALS) FINES FLOCCULATION --FLOW GELS HYGROSCOPIC WATER MIXING
PRECIPITATION (CHEMISTRY)
SOIL COMPONENTS
SOIL TEXTURE
SUSPENDED SOLIDS COLORS (MATERIALS) 2 3 RT COLOR COLORED CONCRETE
COLORING ADMIXTURES
CONCRETE DISCOLORATION TURBIDIMETERS DYES TURBIDITY WATER PROPERTIES PAINTS

--PIGMENTS STAINS

COLUMN FOOTINGS 2 3
NOTE: Footings which support
a single column or other kind
of concentrated load
UF INDEPENDENT FOOTINGS
SINGLE FOOTINGS
BT FOOTINGS
FOUNDATIONS
FOUNDATIONS COMBINED STRESS BT STRESSES 3 4 COMBUSTION 4
RT BURNING RATE
BURNING TIME
DETONATION -EXPLOSIONS SHALLOW POUNDATIONS
CANTILEVER FOOTINGS
CIRCULAR FOOTINGS
COLUMNS (SUPPORTS)
-PIERS (SUPPORTS)
RECTANGULAR FOOTINGS FIRES FLAME PROPAGATION FLAMES COMBUSTION PRODUCTS
RT AIR POLLUTION
AIRBORNE WASTES SQUARE FOOTINGS TRAPEZOIDAL FOOTINGS DUST EXHAUST GASES COLUMNS (SUPPORTS) 2 3 4 BT STRUCTURAL MEMBERS NT--CONCRETE COLUMNS FLUE GASES ODORS SMOG SMOKE LONG COLUMNS
PRECAST CONCRETE COLUMNS
PRESTRESSED CONCRETE
COLUMNS SOOT VAPORS WASTES COLUMNS
SHORT COLUMNS
SPIRAL COLUMNS
TIED COLUMNS
TIED COLUMN FRAMES
--BEAMS (SUPPORTS)
COLUMN FOOTINGS
COMBINED FOOTINGS
ECCENTRIC LOADS
ECCENTRIC LOADS COMMERCIAL AIRCRAFT use AIRCRAFT COMMERCIAL BUILDINGS
BT BUILDINGS
NT SKYSCRAPERS
RT ARCHITECTURE -- FOOTINGS -- PIERS (SUPPORTS) PILASTERS -- PILES BUILDING CODES GARAGES HOTELS INDUSTRIAL BUILDINGS -- STRUCTURAL DESIGN MOTELS OFFICE BUILDINGS --SUPPORTS VERTICAL LOADS -- PUBLIC BUILDINGS SHOPPING CENTERS COMBAT VEHICLES 5
UF FIGHTER VEHICLES
BT MILITARY VEHICLES
NT SELF PROPELLED ARTILLERY
TANKS (COMBAT VEHICLES)
--WEAPON CARRIERS
RT--AMPHIBIOUS VEHICLES
--OFF-ROAD VEHICLES
PERSONNEL CARRIERS
RECONNAISSANCE VEHICLES
--BOAD VEHICLES THEATERS OMMERCIAL VEHICLES 5
NOTE: Use of a more specific term is recommended; consult terms listed under GROUND VEHICLES and VEHICLES COMMERCIAL VEHICLES OMMINUTION 2 3 4 7

NOTE: Reduction of a material to smaller particles by weathering, erosion, earth movement, or other means UF MILLING (COMMINUTION)
PARTICLE SIZE REDUCTION (CRUSHING)
WAVE-INDUCED FRACTURE
NT GRINDING (COMMINUTION)
HAMMER MILLING
RT ABRASION COMMINUTION -- ROAD VEHICLES
-- SNOW VEHICLES -- TRACKED VEHICLES TRAILERS --TRUCKS -- UNCONVENTIAL VEHICLES -- WHEELED VEHICLES COMBINED ANALYSIS 2 5
use GRAIN SIZE ANALYSIS ABRASION ATTRITION COMBINED FOOTINGS 2 3 NOTE: Footings which support several individual columns -- CRACKING (FRACTURING) CRUSHING OF ROCKS CUTTING DECOMPOSITION or piers
UF STRIP FOOTINGS
BT FOOTINGS
FOUNDATIONS -- DETERIORATION DISINTEGRATION -EROSION FOUNDATIONS
SHALLOW POUNDATIONS
CANTILEVER POOTINGS
-COLUMNS (SUPPORTS)
CONTINUOUS FOOTINGS
ECCENTRIC LOADS
MAT FOUNDATIONS
RECTANGULAR POOTINGS
TRAPEZOIDAL POOTINGS -- FRAGMENTATION GRANULATION GRINDING MILLS -MYLONITE ROCK FRAGMENTATION WEATHERING (GEOLOGY) COMMUNICATING NOTE: Use of a more specific term is recommanded; consult the terms listed below CYBERNETICS INFORMATION SYSTEMS INFORMATION THEORY OMBINED SEWERS 7
NOTE: Sewerage systems that
carry both sanitary sewage
and storm water runoff
BT SEWERS
RT OUTFALL SEWERS
SANITARY SEWERS COMBINED SEWERS MANAGEMENT TELECOMMUNICATION

STORM SEWERS

COMMUNICATION SYSTEMS 6
use TELECOMMUNICATION

COMMUNICATION THEORY 6
RT CYBERNETICS
INFORMATION THEORY
RANDOM PROCESSES
SWITCHING THEORY

COMMUNITY 7
NOTE: All of the plants and animals in an area or volume; a complex association usually containing both animals and plants
NT PIONEER COMMUNITY
PLANT COMMUNITY
RT ANIMAL POPULATIONS
BIOMASS
--HABITATS
PLANT POPULATIONS
--POPULATIONS

COMPACTED CONCRETE PILES 2 3 use BULB PILES

STANDING CROP

COMPACTED FILLS 2
BT FILLS
NT COMPACTION TEST FILLS
RT BACKFILLS
COMPACTED SOILS
COMPACTION CONTROL (SOILS)
--COMPACTION EQUIPMENT
--COMPACTION (SOILS)
EARTH FILLS
TEST EMBANKMENTS

COMPACTED SOILS 2 5

HT--COMPACTED FILLS
COMPACTIBILITY (SOILS)
COMPACTION CONTROL (SOILS)
--COMPACTION EQUIPMENT
COMPACTION REQUIREMENTS
--COMPACTION (SOILS)
--EMBANKMENTS
IMPERVIOUS SOILS
--REMOLDED SOILS

COMPACTIBILITY 6
BT MECHANICAL PROPERTIES
RT COMPACTION
COMPRESSIBILITY
POROSITY

COMPACTIBILITY (SOILS) 2 BT MECHANICAL PROPERTIES SOIL PROPERTIES RT COMPACTED SOILS --COMPACTION EQUIPMENT --COMPACTION (SOILS) COMPACTION TEST FILLS --COMPACTION TESTS SOIL PHYSICS

COMPACTION 6
RT COMPACTIBILITY
COMPACTION CONTROL
VIBRATIONS

COMPACTION (BITUMINOUS MIXTURES)

NT IMPACT COMPACTION

KNEADING COMPACTION

VIBRATORY COMPACTION

RT COMPACTION REQUIREMENTS

--COMPACTION TESTS

GYRATORY COMPACTION TESTS

HUBBARD-FIELD METHOD

HVEEM METHOD

COMPACTION (BITUMINOUS MIXTURE) (Con.) MARSHALL METHOD OPTIMUM BITUMEN CONTENT OVERCOMPACTION

COMPACTION BY EXPLOSIVES 2 4
use EXPLOSION COMPACTION

COMPACTION (CONCRETE) 3
use CONSOLIDATION (CONCRETE)

COMPACTION CONTROL 6
RT COMPACTION
--QUALITY CONTROL

COMPACTION CONTROL (SOILS) 2 5
UF RAPID COMPACTION CONTROL (SOILS)
BT CONSTRUCTION CONTROL
RT-COMPACTED FILLS
COMPACTED FILLS
COMPACTION REQUIREMENTS
-COMPACTION TEST FILLS
-COMPACTION TEST FILLS
-COMPACTION TESTS
DEGREE OF COMPACTION
EARTH DAM CONSTRUCTION
-EMBANKMENT CONSTRUCTION
-FIELD CONTROL TESTS (SOILS)
MAXIMUM DRY DENSITY
MOISTURE CONTROL
MOISTURE CONTROL
RELATIVE DENSITY RELATIONS
-QUALITY CONTROL
RELATIVE DENSITY DETERMINATION
ROCKFILL DAM CONSTRUCTION
STATISTICAL QUALITY CONTROL
TEST EMBANKMENTS
--UNIT WEIGHT DETERMINATION
--WATER CONTENT DETERMINATION
--WATER CONTENT DETERMINATION
(SOILS)

COMPACTION CURVES 2
use MOISTURE DENSITY RELATIONS

COMPACTION PILES MMPACTION FILES 2
NOTE: Used to densify loose cohesionless soils, thus improving bearing capacity characteristics BT PILES
RT--COMPACTION EQUIPMENT
--COMPACTION (SOILS)
--DISPLACEMENT PILES SAND PILES COMPACTION REQUIREMENTS 5
BT REQUIREMENTS
RT COMPACTED SOILS
--COMPACTION (BITUMINOUS MIXTURES)
COMPACTION CONTROL (SOILS)
--COMPACTION (SOILS)
--COMPACTION TESTS COMPACTION (SNOW) 2 use SNOW COMPACTION OMPACTION (SOILS) 2 3 5
NOTE: Densification with
mechanical equipment
UF ROCKFILL COMPACTION
SOIL COMPACTION COMPACTION (SOILS) ROCKFILL COMPACTION
SOIL COMPACTION
DENSIFICATION (SOILS)
EXPLOSION COMPACTION
IMPACT COMPACTION
KNEADING COMPACTION STATIC COMPACTION TAMPING VIBRATORY COMPACTION EARTHWORK -- EMBANKMENT CONSTRUCTION LIFTS (CONSTRUCTION)
MECHANICAL SOIL STABILIZATION
MOISTURE-DENSITY RELATIONS
OVERCOMPACTION
PERMEABILITY (SOILS)
PRELOADING (SOILS) PUDDLING
--ROAD CONSTRUCTION
SAND PILES
SETTLEMENT CONTROL SLOPE STABILIZATION
--SOIL STABILIZATION
--SOIL STRENGTH
VOLUME CHANGE COMPACTION (SOLID WASTES) NOTE: Reducing the bulk of solid waste by rolling and tamping RT SOLID WASTES --WASTE TREATMENT COMPACTION TEST FILLS 2 5
BT COMPACTED FILLS
RT COMPACTIBILITY (SOILS)
COMPACTION CONTROL (SOILS)
--COMPACTION (SOILS)
--COMPACTION TESTS
--CONSTRUCTION CONTROL
DEBUGGO OF COMPACTION

DEGREE OF COMPACTION
--FIELD CONTROL TESTS (SOILS)

--QUALITY CONTROL TEST EMBANKMENTS

COMPACTION TESTS 2 3 5

UF MOISTURE DENSITY TESTS

BT CONSISTENCY TESTS

SOIL TESTS (LABORATORY)

NT 15-BLOW COMPACTION TESTS

GYRATORY COMPACTION TESTS

KNEADING COMPACTION TESTS

MODIFIED COMPACTION TESTS

ONE POINT COMPACTION TESTS

STANDARD COMPACTION TESTS

STANDARD COMPACTION TESTS

RT COMPACTIBILITY (SOILS)

--COMPACTION (BITUMINOUS

MIXTURES)

COMPACTION CONTROL (SOILS)

COMPACTION REQUIREMENTS

--COMPACTION (SOILS)

COMPACTION TEST FILLS

CUBING

DESTER OF COMPACTION CURING DEGREE OF COMPACTION
--FIELD CONTROL TESTS (SOILS)
MAXIMUM DRY DENSITY
MOISTURE CONTROL MOISTURE-DENSITY RELATIONS OPTIMUM WATER CONTENT RELATIVE DENSITY DETERMINA-TION --UNIT WEIGHT DETERMINATION
--WATER CONTENT DETERMINATION (SOILS)
ZERO AIR VOIDS CURVE COMPACTORS 2 3 5
use COMPACTION EQUIPMENT COMPARATORS 3
BT MEASURING INSTRUMENTS
RT COLORIMETERS COMPARISON 5 RT COST ANALYSIS --EVALUATION SIMILITUDE TERRAIN ANALOGS COMPATIBILITY METHODS 3
BT STRUCTURAL ANALYSIS
NT--DEFORMATION METHODS
--STIFFNESS METHODS
UNIT DISPLACEMENT METHOD
RT COMPLEMENTARY ENERGY METHODS DYNAMIC STRUCTURAL ANALYSIS
ELASTIC ANALYSIS
--ENERGY METHODS
--EQUILIBRIUM METHODS -- MATRIX METHODS STATIC STRUCTURAL ANALYSIS STATICALLY DETERMINATE STRUCTURES STATICALLY INDETERMINATE STRUCTURES STRAIN ENERGY METHODS COMPETITION OMPETITION 7
NOTE: Condition that exists
when the requirements of one
or more of the organisms
living in a community cannot
be obtained from the available
supply of resources
RT ANIMAL BEHAVIOR
DOMINANT ORGANISMS DOMINANT ORGANISMS -- ECOLOGY -- ENVIRONMENTS INHIBITORS

MICROENVIRONMENT PREDATION -PRODUCTIVITY SECONDARY PRODUCTIVITY -- SUCCESSION

COMPETITIVE BIDDING use BIDS

COMPILATION (COMPUTERS) 6
use COMPILERS (COMPUTERS)

COMPILER ROUTINES 6
use COMPILERS (COMPUTERS)

S. Maria

COMPILERS (COMPUTERS) 6
NOTE: Program-making routines
for digital computers which
enable the computer to construct
programs by using other programs
stored in its library of
routines

routines
UF AUTOMATIC PROGRAMMING
COMPILATION (COMPUTERS)
COMPILER ROUTINES
BT COMPUTER PROGRAMS
COMPUTER SYSTEMS PROGRAMS

COMPLEMENTARY ENERGY METHODS
BT ENERGY METHODS
STRUCTURAL ANALYSIS
RT--COMPATIBILITY METHODS
ELASTIC ANALYSIS
STABILITY METHODS
STATICALLY DETERMINATE
STRUCTURES
STATICALLY INDETERMINATE
STRUCTURES
STRUCTURES
STRAIN ENERGY METHODS

COMPLEX VARIABLES 6
NT BESSEL FUNCTIONS
CONFORMAL MAPPING
ELLIPTIC FUNCTIONS
HARMONIC FUNCTIONS
LOGARITHMS
MATHIEU FUNCTIONS
ORTHOGONAL FUNCTIONS
RT--FUNCTIONAL ANALYSIS
--REAL VARIABLES

COMPONENTS (COMPUTER SYSTEM) 6
use COMPUTER SYSTEMS HARDWARE

COMPOSITE BREAKWATERS
BT BREAKWATERS
RT--ARMOR UNITS
GASSHO BLOCKS

COMPOSITE CONSTRUCTION 3
RT COMPOSITE STRUCTURES
--CONCRETE CONSTRUCTION
METAL DECK FORMS

COMPOSITE MATERIALS 2 3 4 5 (
NOTE: Combination of two
materials which has its own
distinctive properties
NT COMPOSITE MATERIALS
(LANDING MAT CONSTRUCTION)
COMPOSITE MATERIALS
(MEMBRANE CONSTRUCTION)
EPOLY LANINATES 3 4 5 6 EPOXY LAMINATES
FIBER REINFORCED CONCRETE
FIBER REINFORCED PLASTICS
--LAMINATED PLASTICS PHENOLIC LAMINATES PI.YWOOD POLYESTER LAMINATES -- REINFORCED PLASTICS SYNTACTIC FOAMS ALLOYS COATINGS COMPOSITE STRUCTURES -FIBERS --METALS -- REINFORCED CONCRETE REINFORCEMENT (STRUCTURES)
-RESINS (SYNTHETIC)
SANDWICH CONSTRUCTION SANDWICH STRUCTURES

COMPOSITE MATERIALS (LANDING MAT CONSTRUCTION) 2 5 BT COMPOSITE MATERIALS RT LANDING MAT CONSTRUCTION PLASTIC LANDING MATS

COMPOSITE MATERIALS (MEMBRANE CONSTRUCTION) 2 5 BT COMPOSITE MATERIALS RT FIBER REIMPORCED PLASTICS MEMBRANE CONSTRUCTION

COMPOSITE PILES 2 3
NOTE: Composed of timber and concrete, or steel and concrete
BT PILES
RT--CONCRETE PILES
PILE SPLICING
--PRECAST CONCRETE PILES
--STEEL PILES

COMPOSITE STRUCTURES 3 4
RT COMPOSITE CONSTRUCTION
COMPOSITE MATERIALS
CONCRETE CONSTRUCTION

--TIMBER PILES

COMPOSTS 7
NOTE: Relativity stable
decomposed organic material
RT AGRICULTURAL WASTES
MULCHES
ORGANIC WASTES

COMPRESSED AIR 1 2
BT AIR
GASES
RT AIR COMPRESSORS
COMPRESSION
ICE PREVENTION
PNEUMATIC CAISSONS
--PNEUMATIC EQUIPMENT
TUNNEL CONSTRUCTION

COMPRESSIBILITY 6
NOTE: Excludes soils and rock
RT COMPACTIBILITY
--MECHANICAL PROPERTIES
POROSITY

COMPRESSIBILITY COEFFICIENT 2 3
use COEFFICIENT OF COMPRESSIBILITY

COMPRESSIBILITY INDEX 2
use COMPRESSION INDEX

COMPRESSIBILITY (ROCK) 2
UP ROCK COMPRESSIBILITY
BT MECHANICAL PROPERTIES
ROCK PROPERTIES
RT COMPRESSIBILITY (SOILS)
--COMPRESSION
COMPRESSIVE STRENGTH (ROCK)
COMPRESSIVE STRESS
--ROCK DEPORMATION

COMPRESSIBILITY (SOILS) 2
UF SOIL COMPRESSIBILITY
BT MECHANICAL PROPERTIES
SOIL PROPERTIES
RT COMPRESSIBILITY (ROCK)
--COMPRESSION
COMPRESSIVE STRENGTH (SOILS)
COMPRESSIVE STRESS
--CONSCLIDATION (SOILS)
--DENSIPICATION (SOILS)
PRESSURE VOID RATIO CURVES
--SETTLEMENT
SOFT SOILS
--SOIL DEFORMATION
SOIL POROSITY
--SOIL STRUCTURE

COMPRESSIBLE FLOW 1 UF ADIABATIC FLOW COMPRESSION TESTS (Con.) RT--COMPRESSION ISOTHERMAL FLOW -- COMPRESSIVE PROPERTIES -- CREEP TESTS FLOW FLOW FLUID FLOW HYPERSONIC FLOW SUBSONIC FLOW SUPERSONIC FLOW --CREP TESTS
FATIGUE TESTS
--HYDROSTATIC TESTS
--IMPACT TESTS
LOW TEMPERATURE TESTS
--MODULUS OF ELASTICITY
PLASTICITY TESTS TRANSONIC FLOW RT AERODYNAMICS POISSON RATIO
RADIATION TESTS
-SHEAR STRENGTH
SHEAR STRENGTH (ROCK)
-SHEAR STRENGTH (SOILS) --FLUID DYNAMICS --FLUID MECHANICS -- GAS FLOW INCOMPRESSIBLE FLOW MPRESSION 1 2 3 4 NT RECOMPRESSION TRIAXIAL COMPRESSION COMPRESSION --STATIC TESTS STRESS RELAXATION TESTS THIAXIAL COMPRESSION
COMPRESSED AIR
COMPRESSIBILITY (ROCK)
COMPRESSIBILITY (SOILS)
COMPRESSION INDEX
COMPRESSION TESTS
COMPRESSION WAVES
COMPRESSIVE PROPERTIES
COMPRESSIVE STRENGTH
COMPRESSIVE STRENGTH
COMPRESSIVE STRESS
CONSOLIDATION (SOILS)
DEPORMATION STRESS-STRAIN CURVES --TENSION TESTS COMPRESSION TESTS (CONCRETE)
UF COMPRESSIVE STRENGTH
TESTS (CONCRETE)
BT COMPRESSION TESTS
RT--COMPRESSIVE PROPERTIES
COMPRESSIVE STRENGTH
(CONCRETE) --DEFORMATION --DENSIFICATION (SOILS) CONCRETE CREEP TESTS SHEAR STRENGTH (CONCRETE) PIPE TESTS
PRESSURE VOID RATIO CURVES -- STATIC TESTS REBOUND -SETTLEMENT COMPRESSION WAVES OMPRESSION WAVES 2 3 4 NOTE: Waves in which element of medium changes volume without --STRAINS STRENGTH OF MATERIALS rotation
DILATATION WAVES
IRROTATIONAL WAVES --TENSION VOLUME CHANGE P-WAVES
PLATE WAVES
PRIMARY WAVES
ROD WAVES COMPRESSION CURVES 2
use PRESSURE VOID RATIO CURVES COMPRESSION INDEX 2
UF COMPRESSIBILITY INDEX
RT COEFFICIENT OF COMPRESSIBILITY
COEFFICIENT OF VOLUME ELASTIC WAVES WAVES -ACOUSTICS COMPRESSION COMPRESSIBILITY
--COMPRESSION GRAVITY WAVES LONGITUDINAL WAVES --COMPRESSION
--CONSOLIDATION TESTS (SOILS)
CONSTRAINED MODULUS
PRESSURE VOID RATIO CURVES
SETTLEMENT ANALYSIS
--STRESS-STRAIN RELATIONS PRESSURE WAVES
--SEISMIC SURVEYS
--SEISMIC WAVES
SHEAR WAVES
--SHOCK WAVES
SOUND WAVES COMPRESSION MODULUS 2 3 L use MODULUS OF DEFORMATION MODULUS OF ELASTICITY ULTRASONIC TESTS COMPRESSIVE PROPERTIES 1 2 3 4
BT MECHANICAL PROPERTIES
NT BEARING STRESS
--COMPRESSIVE STRENGTH
COMPRESSIVE STRENGTH (CONCRETE
COMPRESSIVE STRENGTH (ROCK)
COMPRESSIVE STRENGTH (SOILS)
UNIXIAL COMPRESSIVE STRENGTH
RT--BEARING CAPACITY
BRITTLEMESS
--COMPRESSION COMPRESSION PILES BT PILES
RT PILE LOAD TESTS (COMPRESSION PILES) (CONCRETE) COMPRESSION TESTS MPRESSION TESTS 1234
UF COMPRESSIVE STRENGTH TESTS
NT COMPRESSION TESTS (CONCRETE)
--CONSOLIDATION TESTS (SOILS)
CONSOLIDATION TESTS WITH BACK --COMPRESSION
--COMPRESSION TESTS
COMPRESSION TESTS (CONCRETE)
COMPRESSIVE STRESS PRESSURE DIAMETRAL COMPRESSION TESTS COMPRESSIVE STRESS
--CREEP PROPERTIES
--ELASTICITY
FATIQUE (MATERIALS)
--FRACTURE PROPERTIES
HAPDRESS (ROCK)
HYDROSTATIC COMPRESSION TESTS
LARGE SCALE COMPRESSION TESTS POLYAXIAL COMPRESSION TESTS IMPACT STRENGTH (ROCK) --TRIAXIAL SHEAR TESTS
TRIAXIAL SHEAR TESTS (ROCK)
TRIAXIAL SHEAR TESTS (SOILS)
UNCONFINED COMPRESSION TESTS --MODULUS OF DEFORMATION
--MODULUS OF ELASTICITY
POISSON RATIO -- SHEAR PROPERTIES (SOILS)
UNIAXIAL COMPRESSION TESTS STRESS-STRAIN CURVES
--STRESS-STRAIN RELATIONS

COMPRESSIVE STRENGTH TESTS 3 4 COMPRESSIVE PROPERTIES (Con.) --TENSILE PROPERTIES
YIELD POINT
YIELD STRENGTH use COMPRESSION TESTS COMPRESSIVE STRENGTH TESTS (CONCRETE) 3 use COMPRESSION TESTS (CONCRETE) COMPRESSIVE STRENGTH 1 2
BT COMPRESSIVE PROPERTIES
MECHANICAL PROPERTIES
NT COMPRESSIVE STRENGTH COMPRESSIVE STRESS 1 2 3 4
BT NORMAL STRESS
STRESSES
RT COMPRESSIBILITY (ROCK)
COMPRESSIBILITY (SOILS)
--COMPRESSION (CONCRETE)
COMPRESSIVE STRENGTH (ROCK)
COMPRESSIVE STRENGTH -COMPRESSION (SOLLS)
-COMPRESSIVE PROPERTIES
-COMPRESSIVE PROPERTIES
-COMPRESSIVE STRENGTH
CONCRETE STRESSES
COMPINING PRESSURE
DEVIATOR STRESS
-MODULUS OF DEFORMATION
-MODULUS OF ELASTICITY
PRELOADING (SOLLS)
PRINCIPAL STRESS
RADIAL STRESS
SOLL CREEP
STRESS CIRCLE
STRESS-STRAIN CURVES
-STRESS-STRAIN RELATIONS
TENSILE STRESS
TOTAL STRESS (SOILS)
UNIAXIAL COMPRESSIVE STRENGTH
RT--BEARING CAPACITY
--COMPRESSION
COMPRESSIVE STRESS COMPRESSIVE STRESS
CREEP PROPERTIES
--ELASTICITY
--FLEXURAL STRENGTH
FRACTURE OF SOLIDS
--FRACTURE PROPERTIES
IMPACT HAMMER TESTS
LARGE SCALE COMPRESSION
TESTS LARGE SCALE COMPRESSION
TESTS
-QUALITY CONTROL
-SHEAR STRENGTH
STRENGTH OF MATERIALS
-STRENGTH THEORIES
TENSILE STRENGTH TOTAL STRESS COMPRESSORS 2 3 NT AIR COMPRESSORS RT--CONSTRUCTION EQUIPMENT -- TENSILE STRENGTH ULTIMATE STRENGTH YIELD POINT YIELD STRENGTH -- VACUUM APPARATUS COMPRESSIVE STRENGTH (CONCRETE) 2 3 4
UP CRUSHING STRENGTH (CONCRETE)
BT COMPRESSIVE PROPERTIES
COMPRESSIVE STRENGTH COMPUTATION 6
RT ANALOG COMPUTERS
BATCH PROCESSING (DATA)
CALCULATORS COMPUTERS
DATA PROCESSING
DIGITAL COMPUTERS
HYBRID COMPUTERS CONCRETE PROPERTIES CONCRETE STRENGTH CONCRETE STRENGTH
MECHANICAL PROPERTIES
AGE-STRENGTH RELATIONSHIP
(CONCRETE)
COMPRESSION TESTS (CONCRETE)
COMPRESSION TESTS (CONCRETE)
COMPRESSION TESTS (CONCRETE)
THE STRENGTH (CONCRETE)
THE STRENGTH (CONCRETE)
THE ACT HAMMER TESTS
-QUALITY CONTROL
REBOUND HAMMER TESTS
SHEAR STRENGTH (CONCRETE)
TENSILE STRENGTH (CONCRETE) NOMOGRA PHS COMPUTER ANALYSIS 1 2 3
RT COMPUTER APPLICATIONS
COMPUTER PROGRAMMING
COMPUTER PROGRAMS 3 4 5 6 7 COMPUTERIZED MODELS COMPUTERIZED SIMULATION --COMPUTERS
--MATHEMATICAL MODELS
MATRIX ANALYSIS
--NUMERICAL SIMULATION COMPRESSIVE STRENGTH (ROCK)
BT COMPRESSIVE PROPERTIES
COMPRESSIVE STRENGTH
MECHANICAL PROPERTIES
ROCK PROPERTIES
ROCK STRENGTH
RT CLEAVAGE STRENGTH (ROCK)
COMPRESSIBILITY (ROCK)
CRUSHING OF ROCKS
FLEXURAL STRENGTH (ROCK)
FRACTURE OF SOLIDS
SHEAR STRENGTH (ROCK)
TENSILE STRENGTH (ROCK) 2 3 4 COMPUTER ANIMATION 6
RT COMPUTER APPLICATIONS
MOTION PICTURES COMPUTER APPLICATIONS 1 2
RT ALGORITHMS
COMPUTER ANALYSIS
COMPUTER PROGRAMMING
--COMPUTER PROGRAMMING
COMPUTER PROGRAMS
COMPUTERIZED SIMULATION 1 2 3 4 5 6 7 -COMPUTERS DATA COLLECTION SYSTEMS
DATA PROCESSING
DATA REDUCTION COMPRESSIVE STRENGTH (SOILS) ESSIVE STREMOTH (SOLLS)
COMPRESSIVE PROPERTIES
COMPRESSIVE STREMOTH
MECHANICAL PROPERTIES
SOIL PROPERTIES
SOIL STREMOTH
COMPRESSIBILITY (SOLLS)
FUEXURAL STREMOTH (SOILS)
FOUNDATION SETTLEMENT
SURF AS STREMOTH (SOILS) DATA RETRIEVAL DATA STORAGE DATA TRANSMISSION DATA TRANSMISSION
DECISION MAKING
DYNAMIC PROGRAMMING
FINITE DIFFERENCE METHOD
FINITE ELEMENT METHOD
GRAPHICAL METHODS
--MATHEMATICAL MODELS
NUMERICAL SIMULATION
--OPERATIONS RESEARCH
--STATISTICAL ANALYSIS -SHEAR STRENGTH (SOILS) SOIL CREEP TENSILE STRENGTH (SOILS)

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COMPUTER GRAPHICS 6
NOTE: Process of pictorial
                                                                                                                                   COMPUTER SYSTEMS HARDWAR: 6
UF COMPONENTS (COMPUTER SYSTEM)
HARDWARE (COMPUTERS)
NT--COMPUTER STORAGE DEVICES
MAGNETIC TAPES
PUNCHED CARDS
RT COMPUTER SYSTEMS PROGRAMS
--COMPUTERS
--COMPUTERS
              communication between men and
              computers, in which computer input and output have form of charts, drawings, or appropriate pictorial representation; such
              devices as cathode-ray tubes,
curve tracers, and light pens
                                                                                                                                             -- CONTROL EQUIPMENT
         are used
ET GRAPHIC ARTS
                                                                                                                                            -- DATA PROCESSING
-- DATA PROCESSING EQUIPMENT
                                                                                                                                                LOGIC CIRCUITS
REAL TIME OPERATIONS
TIME SHARING
    COMPUTER LANGUAGES 1 2 3 4 5 6 USE PROGRAMMING LANGUAGES
     COMPUTER PROGRAMMING 1 2 3 4 5 6 7
                                                                                                                                  COMPUTER SYSTEMS PROGRAMS 1 6
UF COMPUTER SOFTWARE
SOFTWARE (COMPUTERS)
BT COMPUTER PROGRAMS
        UF PROGRAMMING (SLECTRONIC COMPUTERS)
PROGRAMMING (COMPUTERS)
NT DYNAMIC PROGRAMMING
                                                                                                                                       NT COMPILERS (COMPUTERS)
RT COMPUTER PROGRAMMING
--COMPUTER SYSTEMS HARDWARE
                  ALGORITHMS
                  BAR GRAPHS
                  CODING
                  COMPUTER ANALYSIS
COMFUTER APPLICATIONS
                                                                                                                                            --COMPUTERS
                                                                                                                                            -- DATA PROCESSING
                                                                                                                                            -- PROGRAMMING LANGUAGES
REAL TIME OPERATIONS
TIME SHARING
                  COMPUTER PROGRAMS
              -- COMFUTER SYSTEMS PROGRAMS
              -- COMPUTERS
                  DATA PROCESSING
                                                                                                                                 COMPUTER TECHNOLOGY 6
use DATA PROCESSING
                  DATA REDUCTION
                 DIGITAL COMPUTERS
DYNAMIC PROGRAMMING
FINITE DIFFERENCE METHOD
                                                                                                                                 COMPUTERIZED MODELS 1 2 3 4 5 6 7
BT MATHEMATICAL MODELS
                 FINITE ELEMENT METHOD
            FINITE ELEMENT METHOD
FLOW CHARTS
LINEAR PROGRAMMING
--MATHEMATICAL LOGIC
--MATHEMATICAL MODELS
--MATHEMATICAL PROGRAMMING
--NUMERICAL ANALYSIS
NUMERICAL SIMULATION
PROGRAMMING LANGUAGES
REAL TIME OPERATIONS
                                                                                                                                                MODELS
                                                                                                                                       RT COMPUTER ANALYSIS
COMPUTER PROGRAMS
                                                                                                                                            COMPUTERIZED SIMULATION -- COMPUTERS
                                                                                                                                               ENVIRONMENTAL MODELS (ANALYTICAL)
                                                                                                                                               MOBILITY MODELS
OPERATIONS RESEARCH
ROAD CAPABILITY MODELS
TERRAIN MODELS (ANALYTICAL)
                REAL TIME OPERATIONS
SYSTEMS ANALYSIS
TIME SHARING
COMPUTER PROGRAMS 1 2 3 4 5 6 7
UP PROGRAMS (COMPUTERS)
PEOGRAMS (ELECTHONIC COMPUTERS)
NT COMPILERS (COMPUTERS)
--COMPUTER SYSTEMS PROGRAMS
RT ALGORITHMS
BAR GRAPHS
BATCH PHOCESSING (DATA)
CODING
                                                                                                                                 COMPUTERIZED SIMULATION 1 2 3 4 5 6 7 UF COMPUTER SIMULATION BT SIMULATION
                                                                                                                                              ANALOG SIMULATION
DIGITAL SIMULATION
HYBRID SIMULATION
COMPUTER ANALYSIS
COMPUTER APPLICATIONS
COMPUTER APPLICATIONS
               CODING
                                                                                                                                               COMPUTERIZED MODELS
               COMPUTER ANALYSIS
              COMPUTER APPLICATIONS
COMPUTER PROGRAMMING
COMPUTERIZED MODELS
COMPUTERIZED SIMULATION
                                                                                                                                           -- COMPUTERS
                                                                                                                                          DATA PROCESSING
--MATHEMATICAL MODELS
--OPERATIONS RESEARCH
           --COMPUTERS
          --CTYPUTENS
--DATA PROCESSING
DATA REDUCTION
FORTRAN (COMPUTER PROGRAM
LANGUAGE)
                                                                                                                                     OMPUTERS 1 2 3 4 5 6 7
UP ELECTRONIC COMPUTERS
BT DATA PROCESSING EQUIPMENT
                                                                                                                                 COMPUTERS
                                                                                                                                              ANALOG COMPUTERS
                                                                                                                                         ANALOG COMPUTERS
DIGITAL COMPUTERS
HYBRID COMPUTERS
I ANALOG MODELS
ARTIFICIAL INTELLIGENCE
--AUTOMATA THEORY
--AUTOMATIC CONTROL
AUTOMATION
BATTL PROCESSING (DATA)
             INFORMATION RETRIEVAL
INFORMATION SYSTEMS
-NUMERICAL ANALYSIS
PROGRAMMING LANGUAGES
               SCHEDULING
COMPUTER SIMULATION 1 2 3 4 5 6 7 use COMPUTERIZED SIMULATION
                                                                                                                                              BATCH PROCESSING (DATA)
CALCULATORS
COMPUTATION
COMPUTER SOFTWARE
                                              6
                                                                                                                                              COMPUTER ANALYSIS
COMPUTER APPLICATIONS
     use COMPUTER SYSTEMS PROCRAMS
COMPUTER STORAGE DEVICES 6
BT COMPUTER SYSTEMS HARDWARE
NT MAGNETIC TAPES
PUNCHED CARDS
FUNCHED TAPES
BT COMPUTERS
                                                                                                                                          --COMPUTER PROGRAMMING
COMPUTER PROGRAMS
--COMPUTER STORAGE DEVICES
                                                                                                                                          --COMPUTER SYSTEMS PROGRAMS
COMPUTERIZED MODELS
COMPUTERIZED SIMULATION
     RT--COMPUTERS
         --DATA PROCESSING
DATA STORAGE
MAGNETIC RECORDING
                                                                                                                                              CYBERNETICS
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COMPUTERS (Con.)
DATA ACQUISITION
--DATA PROCESSING
DATA REDUCTION CONCRETE AIR CONTENT 3
use AIR CONTENT (CONCRETE) CONCRETE ARCH DAMS 1 2 3 4 DATA RETRIEVAL DATA STORAGE use ARCH DAMS DATA STORAGE
DATA TRANSMISSION SYSTEMS
-ELECTRONIC EQUIPMENT
INFORMATION SYSTEMS
LOGIC CIRCUITS
-NUMERICAL ANALYSIS
NUMERICAL CALCULATIONS
PROGRAMMING LANGUAGES
REAL TIME OPERATIONS
SCHEDULING
SYSTEMS ANALYSIS
SYSTEMS MANAGEMENT
TABULATING EQUIPMENT
-TELECOMMUNICATION CONCRETE ARCHES 2 3 4 BT ARCHES RT--CONCRETES CONCRETE BATCH PLANTS 3
use CONCRETE MIXING PLANTS CONCRETE BEAMS 3 4
BT BEAMS (SUPPORTS)
STRUCTURAL MEMBERS PRECAST CONCRETE BEAMS
PRESTRESSED CONCRETE BEAMS TELECOMMUNICATION TRANSDUCERS BOX BEAMS CANTILEVER BEAMS -- CONCRETES CONTINUOUS BEAMS CONCENTRATED LOADS 1 2 3 4 use LOADS (FORCES) CURVED BEAMS EDGE BEAMS CONCENTRATION (SEDIMENT) 1
use SEDIMENT CONCENTRATION GRADE BEAMS RECTANGULAR BEAMS CONCENTRATION (SILT) 1
use SEDIMENT CONCENTRATION CONCRETE BLOCKS 3
UF BLOCKS (CONCRETE)
BT CONCRETE PRODUCTS
RT AUTOCLAVED PRODUCTS
CONCRETE BRICKS
--MASONRY NCEPTS 5 NT TERRASTAR LOCOMOTION CONCEPT RT-DESIGN
--UNCONVENTIONAL VEHICLES MORTAR BOND STRENGTH SAND LIME BRICKS CONCRETE ADMIXTURES 3
NOTE: Material other than water,
aggregates, and hydraulic
cement used as an ingredient
of concrete or mortar, added
during mixing
BT ADMIXTURES
NT COLORING ADMIXTURES
RT ACCELERATING AGENTS
--ADDITIVES TETRAHEDRONS CONCRETE BRICKS BT BRICKS CONCRETE PRODUCTS
AUTOCLAVED PRODUCTS
CONCRETE BLOCKS -- MASONRY -- ADDITIVES
AIR DETRAINING AGENTS
AIR ENTRAINING AGENTS MORTAR BOND STRENGTH SAND LIME BRICKS CONCRETE BRIDGES 3
BT BRIDGES
CONCRETE STRUCTURES
NT PRESTRESSED CONCRETE BRIDGES
RT BRIDGE DECKS BINDERS CEMENT ADDITIONS DISPERSANTS EMULSIFYING AGENTS EXPANDING AGENTS BRIDGE FAILURES FLY ASH
-FOAMING AGENTS
FUNGICIDES
HYDRAULIC LIME CONCRETE (CENTRALLY MIXED)
use READY MIXED CONCRETE CONCRETE COATINGS 3
NOTE: Coatings on concrete LATEX
MINERAL ADMIXTURES
MORTARS (MATERIAL)
PERMEABILITY REDUCING AGENTS
PLASTICIZERS
-POZZOLANS
PUMPING AIDS
RETARDANTS (CONCRETE)
SURFACTANTS
WATER PROOFING AGENTS
WATER REDUCING AGENTS
WATER REDUCING AGENTS
WETTING AGENTS LATEX surfaces BT COATINGS BT COATING
RT--CONCRETE DURABILITY
CONCRETE FINISHES (HARDENED
CONCRETE)
CONCRETE SURFACE HARDENING
DUSTING (CONCRETE)
SHOTCRETE WETTING AGENTS CONCRETE COLUMNS COLUMNS (SUPPORTS)
STRUCTURAL MEMBERS
PRECAST CONCRETE COLUMNS
PRESTRESSED CONCRETE CONCRETE AGGEGATES 2 3 5 AGGREGATES
GRANULAR MATERIALS
COARSE AGGREGATES
CONCRETE MIXERS
CONCRETE MIXING PLANTS
--CONCRETES COLUMNS RT--CONCRETES CONCRETE CONSISTENCY 3
use CONSISTENCY (CONCRETE) CRUSHED STONE FINE AGGREGATES HEAVYWEIGHT AGGREGATES LIGHTWEIGHT AGGREGATES -SANDS CONCRETE CONSTRUCTION 3 4 BT CONSTRUCTION 3 4
BT CONSTRUCTION
OF CONCRETE DAM CONSTRUCTION
LIFT SLAB CONSTRUCTION
SLAB ON GROUND CONSTRUCTION
SLIP PORM CONSTRUCTION

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SLAGS

CONCRETE CONSTRUCTION (Con.)
TILT UP CONSTRUCTION
RT BLAST RESISTANT STRUCTURES
COLD WEATHER CONSTRUCTION
COMPOSITE CONSTRUCTION
COMPOSITE STRUCTURES
--CONCRETE PLACING
--CONCRETE STRUCTURES --CONCRETES
CONSTRUCTION CONTROL
CONSTRUCTION JOINTS
CONTROL JOINTS EARTHQUAKE RESISTANT STRUCTURES -- FORMWORK (CONSTRUCTION)
-- FRAMES --FRAMES
HOLLOW CARE SLABS
HOT WEATHER CONSTRUCTION
KEYS AND KEYWAYS (CONCRETE)
PRECAST CONCRETE
PRESTRESSED CONCRETE
--PRESTRESSING REINFORCED CONCRETE
-RIGID PAVEMENTS
UNDERWATER CONSTRUCTION CONCRETE CONTRACTION 3
BT CONTRACTION
RT CONCRETE SHRINKAGE
CONCRETE EXPANSION 3 4 CONCRETE COOLING 3
use COOLING (CONCRETE) CONCRETE CORES 3
BT CORES
RT CONCRETE SAMPLES
CONCRETE TEST SPECIMENS
CORE BORING SAMPLERS
CORE DRILLING CONCRETE CRACKING 3 5
UP CONCRETE FRACTURE
CRACKING IN CONCRETE HAIR CRACKS
MAP CRACKING
CRACKING (FRACTURING)
D CRACKING D CRACKING
AUTOGENEOUS HEALING
CONCRETE CRAZING
CONCRETE DETERIORATION
CONCRETE DRYING SHRINKAGE
-CONCRETE DURABILITY
CONCRETE FAILURE
CONCRETE STRUCTURES FAILURE
-CONCRETES --CONCRETES
CRACK PROPAGATION
--DEFLECTION
FATIQUE (MATERIALS)
MICROCRACKING (CONCRETE)
FLASTIC SHRINKAGE
(CONCRETE) TENSILE STRENGTH (CONCRETE) CONCRETE CRAZING NOTE: Fine cracks or fissures caused by shrinkage UF CRAZING (CONCRETE) RT--CONCRETE CRACKING CONCRETE SHRINKAGE CONCRETE SHRINRAGE
--CONCRETES
CRACK PROPAGATION
--CRACKING (FRACTURING)
MICROCRACKING (CONCRETE) CONCRETE CREEP 3 4

-- CONCRETES

RETE CREEP (Con.)
--CREEP PROPERTIES
CREEP RECOVERY
TENSILE STRENGTH (CONCRETE) CONCRETE CREEP CONCRETE CREEP TESTS 3
BT CONCRETE TESTS
CREEP TESTS
STATIC TESTS
RT COMPRESSION TESTS (CONCRETE) CONCRETE CREEP CREEP PROPERTIES CREEP RECOVERY FATIGUE TESTS HIGH TEMPERATURE TESTS
LOW TEMPERATURE TESTS
RESIDUAL STRESS
STRESS RELAXATION TESTS TENSION TESTS
TRIAXIAL SHEAR TESTS CONCRETE CURING 3
UF CONCRETE PROTECTION
MEMBRANES (CURING) CURING ATMOSPHERIC PRESSURE STEAM CURING
ELECTRIC CURING
MOIST CURING
-STEAM CURING
AUTOCLAVING
CARBONATION CONCRETE DRYING
--CONCRETE DURABILITY
CONCRETE HARDENING
--CONCRETE STRENGTH --CONCRETES
CURING AGENTS
CURING FILMS AND SHEETS
DEHYDRATION -HYDRATION INFRARED HEATING KILNS PRESTEAMING PERIOD CONCRETE CYLINDERS 3 4
BT CYLINDERS
RT CIRCULAR PRESTRESSING
CONCRETE SAMPLES
CONCRETE TEST SPECIMENS
--CONCRETES -- QUALITY CONTROL CONCRETE DAM CONSTRUCTION RETE DAM CONSTRUCTION 1 3
CONCRETE CONSTRUCTION
CONSTRUCTION
DAM CONSTRUCTION
ARCH DAM CONSTRUCTION
CONCRETE DAM DESIGN
CONCRETE DAM INSTRUMENTATION
CONCRETE DAM PERFORMANCE
--CONCRETE DAMS
GRAVITY DAM CONSTRUCTION 1 3 CONCRETE DAM DESIGN BT DAM DESIGN DESIGN STRUCTURAL DESIGN ARCH DAM DESIGN
CONCRETE DAM CONSTRUCTION
CONCRETE DAM INSTRUMENTATION
CONCRETE DAM PERFORMANCE
--CONCRETE DAMS
GRAVITY DAM DESIGN CONCRETE DAM INSTRUMENTATION DAM INSTRUMENTATION
CONCRETE DAM CONSTRUCTION
CONCRETE DAM DESIGN
CONCRETE DAM PERFORMANCE
--CONCRETE DAMS

CONCRETE DAM PERFORMANCE 1 3	CONCRETE DISINTEGRATION 2 3 5
BT DAM PERFORMANCE	use CONCRETE DETERIORATION
RT ARCH DAM PERFORMANCE CONCRETE DAM CONSTRUCTION	CONCRETE DRYING 3
CONCRETE DAM DESIGN	RTABSORPTION
CONCRETE DAM INSTRUMENTATION	CONCRETE CURING
CONCRETE DAMS	CONCRETE DRYING SHRINKAGE
GRAVITY DAM PERFORMANCE	CONCRETES
CONCRETE DAMS 1 2 3 4	DEHYDRATION
BT CONCRETE STRUCTURES	DRYING EFFLORESCENCE
DAMS	EVAPORATION
NT PRESTRESSED DAMS	KILNS
RT ANCHOR BOLTS	MOISTURE CONTENT (CONCRETE)
ARCH DAMS BUTTRESS DAMS	CONCRETE DRYING SHRINKAGE 3
CAST-IN-PLACE STRUCTURES	UF DRYING SHRINKAGE (CONCRETE)
COFFERDAMS	BT SHRINKAGE
CONCRETE DAM CONSTRUCTION	RTCONCRETE CRACKING
CONCRETE DAM DESIGN	CONCRETE DRYING
CONCRETE DAM INSTRUMENTATION CONCRETE DAM PERFORMANCE	CONCRETE SHRINKAGE DRYING SHRINKAGE TESTS
CONCRETE MIXING PLANTS	PLASTIC SHRINKAGE (CONCRETE)
CONCRETES	VOLUME CHANGE
CONSTRUCTION JOINTS	WETTING AND DRYING TESTS
DIVERSION DAMS FORM ANCHORS	CONCRETE DURABILITY 2 3 5
GALLERIES	BT CONCRETE PROPERTIES
GRAVITY DAMS	DURABILITY
MASONRY DAMS	MECHANICAL PROPERTIES
MASS CONCRETE	NT FREEZE-THAW DURABILITY
MULTIPLE ARCH DAMS NAVIGATION DAMS	RT ALKALI AGGREGATE REACTIONS BRIDGE DECKS
PARTING AGENTS	CEMENT AGGREGATE REACTIONS
	CONCRETE COATINGS
CONCRETE DEFORMATION 2 3 4 5	CONCRETE CRACKING
BT DEFORMATION RT BENDING	CONCRETE CURING CONCRETE DETERIORATION
BUCKLING	CONCRETE EROSION
CAMBER	CONCRETE EXPOSURE
CONCRETE CREEP	CONCRETE FREEZING AND
CONCRETE DETERIORATION	THAWING CONCRETE PERFORMANCE
CONCRETE EXTENSIBILITY CONCRETE FAILURE	CONCRETES
CONCRETE STRUCTURES	CRACKING (FRACTURING)
FAILURE	EROSION RESISTANCE (CONCRETE)
CONCRETES	FREEZE-THAW TESTS
FLEXURAL STRENGTH (CONCRETE) PAVEMENT DEFLECTION	FROST RESISTANCE PAVEMENT DETERIORATION
PAVEMENT DEFORMATION	ROCK DURABILITY
STRAIN GAGES (CONCRETE)	WATER CEMENT RATIO
STRESS-STRAIN RELATIONS	WEATHERING (CONCRETE)
(CONCRETE) TORSION	WETTING AND DRYING TESTS
	CONCRETE EROSION 3
CONCRETE DETERIORATION 2 3 5	BT EROSION
UF CONCRETE DISINTEGRATION	RT ABRASION
BT DETERIORATION RTCONCRETE CRACKING	CAVITATIONCONCRETE DURABILITY
CONCRETE DEFORMATION	CONCRETES
CONCRETE DURABILITY	EROSION RESISTANCE (CONCRETE)
CONCRETE STRUCTURES FAILURE	WEATHERING (CONCRETE)
CONCRETES PAVEMENT DETERIORATION	CONCRETE EXPANSION 3
REACTIVE AGGREGATES	BT EXPANSION
SULFATE ATTACK	RT CONCRETE CONTRACTION
WEATHERING (CONCRETE)	CONCRETE SHRINKAGE
CONCRETE DILATION O	CONCRETE TEMPERATURECONCRETE THERMAL PROPERTIES
CONCRETE DILATION 3 NOTE: Refers to freezing of	CONCRETES
water in concrete	EXPANSION TESTS
UF DILATION (CONCRETE)	EXPANSIVE CEMENT CONCRETES
RT CONCRETE PREEZING AND	CONCRETE EXPOSURE 3
THAWING CONCRETES	BT EXPOSURE
EXTENSOMETERS	RTCONCRETE DURABILITY
	CONCRETES
CONCRETE DISCOLORATION 3	WEATHERING (CONCRETE)
UF CONCRETE STAINING STAINING (CONCRETE)	CONCRETE EXTENSIBILITY 3
RTCHEMICAL TESTS	BT CONCRETE PROPERTIES
COLORS (MATERIALS)	EXTENSIBILITY
CONCRETES	RT CONCRETE CREEP
EFFLORESCENCE	CONCRETE DEFORMATIONCONCRETES
STAINING SURFACE DEFECTS (CONCRETE)	CREEP PROPERTIES
WEATHERING (CONCRETE)	

CONCRETE EXTENSIBILITY (Con.)DEFLECTION	CONCRETE FORM OILS 3 use Parting agents
STRAINS	CONCRETE FORMS 3 4
CONCRETE FAILURE 3 4	use FORMWORK (CONSTRUCTION)
BT FAILURES RTCONCRETE CRACKING	CONCRETE FRACTURE 3 5
CONCRETE CREEP	use CONCRETE CRACKING
CONCRETE DEFORMATION CONCRETE PERFORMANCE	CONCRETE FREEZING AND THAWING
CONCRETE STRUCTURES	RT CONCRETE DILATIONCONCRETE DURABILITY
FAILURE CONCRETES	CONCRETES
FORMWORK (CONSTRUCTION)	FREEZE-THAW DURABILITY FREEZE-THAW TESTS
CONCRETE FATIGUE 3 4	WEATHERING (CONCRETE)
RT CONCRETE CREEPCONCRETES	CONCRETE HARDENING 3
CRACK PROPAGATION	UF HARDENING (CONCRETE) BT HARDENING (MATERIALS)
CREEP PROPERTIES FATIGUE TESTS	RT CEMENT SETTING
FLEXURAL STRENGTH	CONCRETE CURING CONCRETES
(CONCRETE)	HYDRATION
CONCRETE FINISHES (HARDENED CONCRETE) 3	PENETRATION TESTS
UF BUSHHAMMERING	CONCRETE LABORATORIES 3 6
TOOLED FINISHES BT FINISHES	BT LABORATORIES RTCONCRETE TESTS
RTABRASIVE BLASTING	CONCRETE LINED CANALS 1
ARCHITECTURAL CONCRETE CLEANING	BT CANALS
COATINGS CONCRETE COATINGS	LINED CANALS
CONCRETE FINISHING (FRESH	CONCRETE LINED CHANNELS 1 2 3
CONCRETE) CONCRETE FLOORS	BT CHANNELS LINED CHANNELS
CONCRETE OVERLAYS	RT CONCRETE LININGS CONCRETE REVETMENT
CONCRETE SURFACESCORROSION RESISTANCE	CONCRETES
DECORATINGEXPOSED AGGREGATE CONCRETE	SLIP FORMS
GRIMDING (MATERIAL REMOVAL)	CONCRETE LINED TUNNELS 1 2 3
PAIMS PAVEMENTS	BT LINED TUNNELS TUNNELS
PROTECTIVE COATINGS	RT CONCRETE LININGSCONCRETES
RIGID PAVEMENTS SAND BLASTING	SHOTCRETE
SURFACE HARDENERS (CONCRETE) WIRE BRUSHING	SLIP FORMS
	CONCRETE LININGS 1 2 3
CONCRETE FINISHING (FRESH CONCRETE) UF BROOMING	3 UF RIGID LININGS BT CONCRETE PRODUCTS
FLOATING (CONCRETE)	LININGS RT CANAL LININGS
RUBBING (CONCRETE) SCREEDING	CAST-IN-PLACE STRUCTURES
TROWELING BT SURFACE FINISHING	CONCRETE LINED CHANNELS CONCRETE LINED TUNNELS
RT CONCRETE FINISHES (HARDENED	CONCRETE OVERLAYS CONCRETE REVETMENT
CONCRETE) CONCRETE FLOORS	CONCRETES
PAVEMENTS RIGID PAVEMENTS	LINED CANALS MORTARS (MATERIAL)
SCREEDS	TUNNEL LININGS
CONCRETE FLOORS 3	WATER TUNNELS
BT FLOORS	CONCRETE MATTRESSES (ARTICULATED) 1 2 3 use articulated concrete mattresses
RT CONCRETE FINISHES (HARDENED CONCRETE)	
CONCRETE FINISHING (FRESH CONCRETE)	CONCRETE MIXERS 2 3 5 BT CONSTRUCTION EQUIPMENT
CONCRETE PANELS	MIXERS
CONCRETE SURFACE HARDENINGCONCRETES	RT AGGREGATE BLENDING BULK TRANSPORTATION
DUSTING (CONCRETE)	CONCRETE AGGREGATES CONCRETE MIXING
CONCRETE FOLDED PLATES 3	CONCRETE MIXING PLANTS
BT CONCRETE PLATES FOLDED PLATES	CONCRETES MORTARS (EQUIPMENT)
STRUCTURAL FORMS	READY MIXED CONCRETE
RTPLATES (STRUCTURAL MEMBERS)SHELLS (STRUCTURAL FORMS)	TRANSIT MIXERS

CONCRETE MIXES 3
use CONCRETE MIXTURES CONCRETE PERFORMANCE 3 RT--CONCRETE DURABILITY CONCRETE FAILURE CONCRETE MIXING 3
BT MIXING
RT BATCHING (CONCRETE)
CONCRETE MIXERS
CONCRETE MIXING PLANTS
CONCRETE MIXTURES --CONCRETES PERFORMANCE TESTS (CONCRETE) CONCRETE PERMEABILITY 3
use PERMEABILITY (CONCRETE) CONCRETE MIXTURES
-CONCRETES
MIX WATER (CONCRETE)
MIXING TIME (CONCRETE)
PROPORTIONING (CONCRETE)
READY MIXED CONCRETE CONCRETE PILES 1 2 3 BT CONCRETE PRODUCTS PILES PILES
NT AUGERED CONCRETE PILES
--BORED PILES
BULB PILES
--CASED PILES
--CASED PILES
CONCRETE SHEET PILES
CONCRETE SHEET PILES
--FRANKI PILES (UNCASED)
--PRECAST CONCRETE PILES
PRESTRESSED CONCRETE PILES
BAYMOND PILES CONCRETE MIXING PLANTS 2 3 5
UF BATCH PLANTS (CONCRETE)
BITMINOUS CONCRETE PLANTS
CONCRETE BATCH PLANTS
CONCRETE PLANTS (MIXING)
MIXING PLANTS (CONCRETE)
BT PLANTS (MATERIAL MIXING)
RT AGGREGATE PLANTS RAYMOND PILES
--UNCASED PILES
WESTERN PILES (CASED)
WESTERN PILES (UNCASED)
RT COMPOSITE PILES
--CONCRETES -AGGREGATES
-AGGREGATES
-CONCRETE DAMS
CONCRETE MIXERS
CONCRETE MIXING
-CONCRETE PRODUCTS -- CORROSION -- FOUNDATIONS -- CONCRETES PILE CORROSION
SHEET PILING
--STEEL PILES
--STRUCTURAL MEMBERS -- PAVING EQUIPMENT (CONCRETE)
READY MIXED CONCRETE CONCRETE MIXTURES 3

UF CONCRETE MIXES

MIX DESIGN (CONCRETE)

MIX PROPORTIONING (CONCRETE)

MIXTURE PROPORTIONING -- TIMBER PILES CONCRETE PIPES 1 2 3 5
UF CONCRETE TILES (TUBES)
BT CLOSED CONDUITS
CONCRETE PRODUCTS MIXTURE PROPORTIONING
(CONCRETE)
TRIAL MIX PROPORTIONING
BATCHING (CONCRETE)
CEMENT CONTENT
CONCRETE MIXING
-CONCRETES CONDUITS PIPES PIPES
CAST-IN-PLACE PIPES
POROUS CONCRETE PIPES
PRESTRESSED CONCRETE PIPES
REINFORCED CONCRETE PIPES
ASBESTOS CEMENT PIPES
ASBESTOS CEMENT PRODUCTS
AUTOCHARMAN DE DEPONDEMENT MIXING TIME (CONCRETE)
PROPORTIONING (CONCRETE)
WATER CEMENT RATIO AUTOCLAVED PRODUCTS BEDDING CONCRETE OVERLAYS 1 2
BT CONCRETE PRODUCTS
OVERLAYS (PAVEMENTS)
RT CONCRETE FINISHES BURIED PIPES
CIRCULAR PRESTRESSING
-CONCRETES
CONDUIT BENDS (HARDENED CONCRETE) CONCRETE LININGS -- CORROSION -- CULVERTS --CONCRETES
RIGID PAVEMENT MAINTENANCE
--RIGID PAVEMENTS DRAIN TILES DRAINAGE PIPES -DRAINS HORIZONTAL DRAINS CONCRETE PANELS 3 BT CONCRETE PRODUCTS IRRIGATION PIPES PIPELINES CONCRETE PRODUCTS
PANELS
PRECAST CONCRETE PANELS
PRESTRESSED CONCRETE PANELS
ACOUSTIC INSULATION
CONCRETE PLOORS PRETENSIONED PIPES SEWER PIPES SIPHONS WATER PIPES -- CONCRETES CONCRETE PLACING 3
UF CASTING (CONCRETE)
PLACING (CONCRETE)
NT ADVANCING SLOPE METHOD
RT BUCKET CONVEYORS
BUCKETS (CONCRETE)
CHITTES PREFABRICATION TILT UP CONSTRUCTION CONCRETE PAVEMENTS 2 3 4
use RIGID PAVEMENTS CONCRETE PAVING MACHINES 2 3
BT CONSTRUCTION EQUIPMENT
PAVING EQUIPMENT
PAVING EQUIPMENT (CONCRETE)
ROAD MACHINERY 2 3 5 CHUTES CHUTES
-CONCRETE CONSTRUCTION
CONCRETE PUMPS
CONCRETE VIBRATION
CONCRETE VIBRATORS
CONCRETE WORKABILITY
-CONCRETES I--CONCRETES
RIGID PAVEMENT CONSTRUCTION
RIGID PAVEMENT MAINTENANCE
--RIGID PAVEMENTS -- CONCRETES CONSOLIDATION (CONCRETE) -CONVEYING MATERIALS HANDLING MOLDS

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PLASTERING

CONCRETE PLACING (Con.) PUMPED CONCRETE SEGREGATION (MATERIALS) SHOTCRETE TAMPING TREMIE CONCRETE UNDERWATER CONSTRUCTION CONCRETE PLANTS (MIXING) 3
use CONCRETE MIXING PLANTS CONCRETE PLATES 3
BT PLATES (STRUCTURAL
MEMBERS)
NT CONCRETE FOLDED PLATES -CONCRETES FLAT CONCRETE PLATES CONCRETE - POLYMER MATERIALS RT CONCRETE SURFACES LATEX POLYMER CONCRETE
POLYMER-IMPREGNATED CONCRETE
POLYMER PORTLAND CEMENT CONCRETE RESIN CONCRETE CONCRETE PRESSURE CELLS 3
use STRESS METERS (CONCRETE) CONCRETE PRESSURE VESSELS
use PRESSURE VESSELS CONCRETE PRODUCTS 2 3
NT ARTICULATED CONCRETE
MATTRESSES MATTRESSES
ASBESTOS CEMENT PIPES
--ASBESTOS CEMENT PRODUCTS
AUGERED CONCRETE PILES
AUTOCLAVED PRODUCTS
-BORED PILES
BULB PILES
--CASED PILES --CASED PILES
--CAST-IN-PLACE PILES
CAST-IN-PLACE PIPES
CAST STONE
CONCRETE BLOCKS
CONCRETE BLICKS
CONCRETE LININGS
CONCRETE PANELS
--CONCRETE PANELS
--CONCRETE PILES
--CONCRETE PILES
--CONCRETE PIPES
CONCRETE REVETMENT
CONCRETE STEPS
CURCETE STEPS
CURCENTERS FRANKI PILES (CASED)
FRANKI PILES (UNCASED)
HOLLOW CORE SLABS
POROUS CONCRETE PIPES
PRECAST CONCRETE PILES
PRESTRESSED CONCRETE PILES RAYMOND PILES STAIRWAYS STAIRWAYS
--UNCASED PILES
WESTERN PILES (CASED)
WESTERN PILES (UNCASED)
RT--CERAMIC MATERIALS
CONCRETE MIXING PLANTS
--CONCRETES
DECORATING DECORATING --MASONRY PRECAST CONCRETE RAILROAD TIES STEAM CURING CONCRETE PROPERTIES 3 4
NT COMPRESSIVE STRENGTH
(CONCRETE) CONCRETE DURABILITY
CONCRETE EXTENSIBILITY
--CONCRETE STRENGTH

CONCRETE PROPERTIES (Con.)
CONCRETE THERMAL PROPERTIES
CONCRETE WORKABILITY
CONSISTENCY (CONCRETE)
FLEXURAL STRENGTH (CONCRETE)
PERMEABILITY (CONCRETE)
SHEAR STRENGTH (CONCRETE)
TENSILE STRENGTH (CONCRETE) RT--CONCRETES -- MECHANICAL PROPERTIES POISSON RATIO CONCRETE PROPORTIONING 3
use PROPORTIONING (CONCRETE) CONCRETE PROTECTION 3
use CATHODIC PROTECTION
CONCRETE CURING PROTECTIVE COATINGS CONCRETE PUMPS 3 NOTE: Method of placing NOTE: Method of plac concrete BT PUMPS RT--CONCRETE PLACING --CONCRETES PUMPED CONCRETE TREMIE CONCRETE CONCRETE RAMPS 3
BT CONCRETE STRUCTURES
RAMPS RT--HIGHWAY STRUCTURES CONCRETE RECYCLING 3
use RECYCLED CONCRETE CONCRETE REINFORCEMENT use REINFORCING MATERIALS REINFORCING STEELS CONCRETE RETARDANTS use RETARDANTS (CONCRETE) CONCRETE REVETMENT 1 2 3 BT CONCRETE PRODUCTS REVETMENT RT ARTICULATED CONCRETE MATTRESSES
CONCRETE LINED CHANNELS
CONCRETE LININGS -- CONCRETES CONCRETE ROADS 3 4
use RIGID PAVEMENTS CONCRETE SAMPLES 3 5 BT SAMPLES
RT CONCRETE CORES
CONCRETE CYLINDERS
CONCRETE TEST SPECIMENS -- CONCRETES --SAMPLING CONCRETE SETTING use CEMENT SETTING CONCRETE SHEET PILES :
BT CONCRETE PILES CONCRETE PRODUCTS 2 3 CONCRETE PRODUCTS
PILES
SHEET PILES
STEEL SHEET PILES
TIMBER SHEET PILES CONCRETE SHELLS 3 4
use SHELLS (STRUCTURAL FORMS) CONCRETE SHIELDING 3 4
NOTE: Shielding by means of concrete
BT SHIELDING
RT--CONCRETES HEAVYWEIGHT CONCRETE
--PROTECTIVE STRUCTURES
RADIATION SHIELDING
RADIATION SHIELDING

MATERIALS

CONCRETE SHRINKAGE 3
BT SHRINKAGE
RT CONCRETE CONTRACTION
CONCRETE CRAZING
CONCRETE DRYING CONCRETE STRUCTURES (Con.) RT--CONCRETE CONSTRUCTION
--CONCRETE SLABS
CONCRETE STRUCTURES FAILURE -- CONCRETES CONTACT GROUTING
EARTHQUAKE RESISTANT STRUCTURES
OVERPASSES SHRINKAGE CONCRETE EXPANSION CONCRETE EXPANSION
-CONCRETES
PLASTIC SHRINKAGE
(CONCRETE)
VOLUME CHANGE
WETTING AND DRYING TESTS --RIGID PAVEMENTS --STRUCTURAL FORMS UNDERPASSES VIADUCTS CONCRETE STRUCTURES FAILURE 2 3 4 5
BT FAILURES
RT--CONCRETE CRACKING
CONCRETE CREEP
CONCRETE DEFORMATION
CONCRETE DETERIORATION
CONCRETE FAILURE
--CONCRETE STRUCTURES
--FORMWORK (CONSTRUCTION)
MICROCRACKING (CONCRETE)
PLASTIC SHRINKAGE (CONCRETE) CONCRETE SLABS 3 4 BT SLABS

NT FLAT CONCRETE PLATES

FLAT CONCRETE SLABS

PRECAST CONCRETE SLABS PRESTRESSED CONCRETE SLABS RT--CONCRETE STRUCTURES --CONCRETES D CRACKING PRESTRESSED CONCRETE SLAB ON GROUND CONSTRUCTION CONCRETE SURFACE HARDENING UF FLOOR HARDENERS
RT CONCRETE COATINGS
CONCRETE FINISHES (HARDENED
CONCPETE) SLABJACKING CONCRETE SLUMP CONCRETE FLOORS
CONCRETE SURFACES
SURFACE HARDENERS (CONCRETE) CONCRETE STAINING 3
USe CONCRETE DISCOLORATION CONCRETE SURFACES 3
RT CONCRETE COATINGS
CONCRETE FINISHES
(HARDENED CONCRETE)
CONCRETE-POLYMER MATERIALS
CONCRETE SURFACE HARDENING CONCRETE STEEL 2 3 4 5 CONCRETE STEPS 3
UF STEPS (CONCRETE)
BT CONCRETE PRODUCTS
RT STAIRWAYS -CONCRETES D CRACKING CONCRETE STRENGTH 2 3 4 5
BT CONCRETE PROPERTIES
NT COMPRESSIVE STRENGTH
(CONCRETE) PEELING (CONCRETE)
SAND BLASTING
SCALING (CONCRETE)
SCALING RESISTANCE TESTS FLEXURAL STRENGTH (CONCRETE)
SHEAR STRENGTH (CONCRETE)
TENSILE STRENGTH SPALLING CONCRETE TECHNOLOGY 3
RT--CONCRETES (CONCRETE) TORSIONAL STRENGTH TORSIONAL SIMENGIA (CONCRETE) RT AGE-STRENGTH RELATIONSHIP (CONCRETE) BRITTLE FAILURE CONCRETE TEMPERATURE 3
NOTE: Includes temperature rise
in fresh concrete
BT TEMPERATURE
RT CONCRETE EXPANSION
--CONCRETE THERMAL PROPERTIES BRITTLENESS CONCRETE CURING -CONCRETES
COOLING (CONCRETE)
FRESH CONCRETES
HEAT OF HYDRATION
TEMPERATURE RISE (CONCRETE)
THERMAL EXPANSION --CONCRETES
PROPORTIONING (CONCRETE)
STRENGTH OF MATERIALS
--STRENGTH THEORIES CONCRETE STRESS GAGES 3
use STRESS GAGES (CONCRETE) CONCRETE TEST SPECIMENS 3
BT TEST SPECIMENS
RT CAPPING (CONCRETE TEST SPECIMENS)
CONCRETE CORES
CONCRETE CYLINDERS
CONCRETE SAMPLES
LENGTH CHANGE TESTS CONCRETE STRESS METERS 3
use STRESS METERS (CONCRETE) CONCRETE STRESSES 3 4 ONCRETE STRESSES 3 4
BT STRESSES
RT COMPRESSIVE STRESS
--CONCRETES
SHEAR STRESS
STRESS GAGES (CONCRETE)
--STRESS METERS (CONCRETE)
STRESS-STRAIN RELATIONS
(CONCRETE)
TENSILE STRESS
THERMAL STRESSES CONCRETE TESTS 3
NOTE: Includes general material
NT ABSORPTION TESTS
ADIABATIC TEMPERATURE RISE TESTS
BALL PENETRATION TESTS
BLEEDING TESTS (CONCRETE)
BOND-TO-STEEL TESTS CONCRETE STRUCTURES 3
NT--CONCRETE BRIDGES
--CONCRETE DAMS
CONCRETE RAMPS CHEMICAL RESISTANCE TESTS

CONCRETE TESTS (Con.)

CONCRETE CREEP TESTS

CONSISTENCY TESTS

CRACK RESISTANCE TESTS

DENSITY TESTS (CONCRETE)

DILATION TESTS

DRYING SHRINKAGE TESTS

EARLY STIFFENING TESTS

EYRANSION TESTS CONCRETES (Con.)
BITUMINOUS CONCRETES BITUMINOUS CONCRETES
CELLULAR CONCRETES
COLORED CONCRETE
CONFINED CONCRETES
EPOXY-ASPHALT CONCRETE
-EXPANSIVE CEMENT CONCRETES
-EXPOSED AGGREGATE CONCRETE
FIBER REIMPORCED CONCRETE
FRESH CONCRETES
HEALYWEIGHT CONCRETES EXPANSION TESTS
FLEXURAL TESTS
HARDENING RATE TESTS
HEAT FLOW TESTS
-IMPACT HAMMER TESTS
LENGTH CHANGE TESTS FRESH CONCRETES
HEAVYWEIGHT CONCRETES
HIGH STRENGTH CONCRETES
INSULATING CONCRETES
-LIGHTWEIGHT CONCRETES
NAILABLE CONCRETE
NO FINES CONCRETE
PACKAGED CONCRETE
PACKAGED CONCRETE PULSE VELOCITY TESTS REBOUND HAMMER TESTS REMOLDING TESTS
SCALING RESISTANCE TESTS SLUMP TESTS
SOUNDNESS TESTS
ABRASION TESTS
CONCRETE LABORATORIES POLYMER CONCRETE
POLYMER IMPREGNATED CONCRETE
POLYMER-PORTLAND CEMENT
CONCRETE POROUS CONCRETE PRECAST CONCRETE -CONCRETES FREEZE-THAW TESTS PERMEABILITY TESTS SONIC TESTS PREPLACED AGGREGATE CONCRETE CONCRETE
PRESTRESSED CONCRETE
PUMPED CONCRETE
READY MIXED CONCRETE
RECYCLED CONCRETE
REFRACTORY CONCRETES
REINFORCED CONCRETE -- ULTRASONIC TESTS CONCRETE TETRAHEDRAL BLOCKS use TETRAHEDRONS CONCRETE THERMAL PROPERTIES CONCRETE PROPERTIES
THERMAL PROPERTIES
HEAT OF HYDRATION
HEAT OF SOLUTION RESIN CONCRETE
SAND GRAVEL CONCRETE
SAWDUST CONCRETE
SHOTCRETE BT SULFUR CONCRETE
TREMIE CONCRETE
VACUUM TREATED CONCRETE
RT--AGGREGATES CONCRETE EXPANSION CONCRETE TEMPERATURE CONCRETE TILES (TUBES)
use CONCRETE PIPES --AGGREGATES
--CEMENTS
--CONCRETE ADMIXTURES
CONCRETE AGGREGATES
CONCRETE AGGREGATES
--CONCRETE BEAMS
--CONCRETE COLUMNS
--CONCRETE CONSTRUCTION
--CONCRETE CRACKING
CONCRETE CRAZING
CONCRETE CRAZING
CONCRETE CURING
CONCRETE CYLINDERS
--CONCRETE CYLINDERS
--CONCRETE DEPORMATION
CONCRETE DETERIORATION
CONCRETE DISCOLORATION -- CEMENTS CONCRETE VIBRATION 3
BT VIBRATIONS
RT--CONCRETE PLACING
CONCRETE VIBRATORS -CONCRETES
CONSOLIDATION (CONCRETE) -- VIBRATORY COMPACTORS CONCRETE VIBRATORS BT VIBRATORS RT--CONCRETE PLACING CONCRETE VIBRATION FRESH CONCRETES
--VIBRATORY COMPACTORS CONCRETE DISCOLORATION VOIDS (CONCRETE) CONCRETE DRYING -- CONCRETE DURABILITY CONCRETE EROSION CONCRETE WEATHER PROBLEMS use COLD WEATHER CONSTRUCTION HOT WEATHER CONSTRUCTION WEATHERING (CONCRETE) CONCRETE EXPANSION CONCRETE EXPOSURE CONCRETE EXTENSIBILITY CONCRETE FAILURE CONCRETE WEATHERING 3
use WEATHERING (CONCRETE) CONCRETE FATIGUE
CONCRETE FLOORS
CONCRETE FREEZING AND
THAWING CONCRETE WORKABILITY NOTE: Property which determines
the ease and homogeneity with
which it can be mixed, placed,
compacted, and finished
UF MOLDABILITY (CONCRETE)
WORKABILITY (CONCRETE) CONCRETE LINED CHANNELS CONCRETE LINED TUNNELS CONCRETE LINED TUNNELS CONCRETE LININGS CONCRETE MIXERS CONCRETE MIXING
CONCRETE MIXING PLANTS
CONCRETE MIXTURES
CONCRETE OVERLAYS BT CONCRETE PROPERTIES

MECHANICAL PROPERTIES

RT--CONCRETE PLACING

CONSISTENCY (CONCRETE)

--CONSISTENCY TESTS --CONCRETE PANELS
CONCRETE PAVING MACHINES
--CONCRETE PERFORMANCE DUCTILITY FRESH CONCRETES -- CONCRETE PILES -- CONCRETE PIPES PLASTICITY SLUMP -- CONCRETE PLACING -- CONCRETE PLATES NCRETES 1 2 3 4 5 NT AIR ENTRAINED CONCRETES --ARCHITECTURAL CONCRETE CONCRETES -- CONCRETE PRODUCTS

-- CONCRETE PROPERTIES

CONCRETES (Con.)
CONCRETE PUMPS
CONCRETE REVETMENT
CONCRETE SAMPLES
CONCRETE SHELDING
CONCRETE SHRINKAGE
--CONCRETE SLABS
--CONCRETE STRENOTH CONDUITS 1 2 3 4 5 7 NOTE: Artificial or natural oucts for conveying water or other fluids
T AQUEDUCTS
ASBESTOS CEMENT PIPES
BITUMINOUS FIBER PIPES
BURIED PIPES --CONCRETE STRENGTH
CONCRETE STRESSES
--CONCRETE SURFACES
CONCRETE TECHNOLOGY
CONCRETE TEMPERATURE
--CONCRETE TESTS -- CANALS CAST-IN-PLACE PIPES
CAST IRON PIPES
CLAY PIPES
--CLOSED CONDUITS COLLECTOR PIPES
--CONCRETE PIPES
CORRUGATED METAL PIPES CONCRETE VIBRATION CURING CURING AGENTS GRAVITY WALLS CUL. VERTS CULVERTS
DIVERSION CANALS
DIVERSION TUNNELS
DRAFT TUBES
DRAINAGE CANALS
DRAINAGE PIPES
DUCTS -MASONRY MASS CONCRETE -PAVING EQUIPMENT (CONCRETE)
--PORTLAND CEMENTS
RETEMPERING DUCTS FLEXIBLE PIPES -RIGID PAVEMENTS
ROAD MATERIALS
SLUMP
-STRUCTURAL FORMS
TERRAZZO FLUMES (HYDRAULIC TESTING FACILITIES) --FLUMES (WATER CONVEYANCE STRUCTURES) HEAD GATES
HEADER PIPES
HORSESHOE CONDUITS
IRRIGATION CANALS CONDENSATION NSATION 1 3 6 7 DROPWISE CONDENSATION DISTILLATION LATERALS
LINED CANALS
--METAL PIPES
NONCIRCULAR CONDUITS HUMIDITY METEOROLOGICAL DATA SUBLIMATION TEMPERATURE PENSTOCKS --PIPELINES WATER VAPOR UNDENSATION TRAILS 7
NOTE: Long narrow clouds
caused by the disturbance of
the atmosphere during passage
of high-flying jets
UF CONTRAILS
RT PLUMES --PIPES PITOT TUBES CONDENSATION TRAILS PITOT TUBES
PLASTIC PIPES
POROUS CONCRETE PIPES
--PRESSURE CONDUITS
PRESSURE PIPES
PRESSURE TUNNELS
SEWER OUTPALLS
SEWER PIPES
--SEWERS CONDENSERS (ELECTRIC)
use CAPACITORS SIPHONS STANDPIPES CUCTIVITY 1 3 6 7
C ELECTRICAL RESISTIVITY
THERMAL CONDUCTIVITY
ELECTRICAL PROPERTIES
--FLUID FLOW
VOID RATIO
WATER PROPERTIES STANDPIPES
STORM SEWERS
UNDERGROUND CONDUITS
UNDERWATER PIPELINES
UNLINED CANALS
UNLINED TUNNELS
WATER MAINS
WATER PIPES
--WATER TUNNELS
WATER TUNNELS CONDUCTIVITY CONDUIT BENDS 1
UF ELBOWS (PIPES)
FLOW AROUND BENDS
MITER BENDS
NT PIPE BENDS BURIED ARCHES BURIED CYLINDERS BYPASSES --CHANNEL FLOW RT--CLOSED CONDUIT FLOW --CONCRETE PIPES --CHANNELS --DITCHES PENSTOCKS -- PIPES DIVERSION STRUCTURES
--DIVERSION WORKS SHAFT SPILLWAYS STEEL PIPES --DRAINS --FLOW --HYDRAULIC ENGINEERING --HYDRAULICS CONDUIT CONTRACTION 1
use CONTRACTIONS (HYDRAULICS) --HYDRAULICS
--INTAKE STRUCTURES
--INTAKES
--INTERBASIN WATER TRANSFERS
IRRIGATION ENGINEERING
MARSTON THEORY
--OPEN CHANNELS
--OUTLET WORKS
--RUNNING WATERS
SAND TRAPS CONDUIT FLOW 1
BT FLOW
RT--CLOSED CONDUIT FLOW PIPE FLOW CONDUIT HEADWORKS 1 : use INTAKE STRUCTURES SAND TRAPS STORM SEWERS TRANSITIONS (HYDRAULICS)

CONE INDEX 2 5 NOTE: Index of soil strength CONFINED GROUNDWATER
USe CONFINED WATER obtained with a cone penetroobtained with a cone penetrometer
BT SURFACE COMPOSITION FACTORS
RT AIRFIELD INDEX
--BEARING CAPACITY
BEARING CAPACITY (ICE AND SNOW)
CALIFORNIA BEARING RATIO
--CONE PENETRATION TESTS
--CONE PENETROMETERS
LABORATORY CONE PENETRATION
TESTS CONFINED WATER 1 UF CONFINED GROUNDWATER BT GROUNDWATER SUBSURFACE WATERS RT AQUICLUDES -AQUICUDES
-AQUIFERS
ARTESIAN WATER
ARTESIAN WELLS
PERCOLATING WATER
-SPRINGS (WATER)
THEIS EQUATION
THIEM EQUATION
THIEM EQUATION TESTS
PEMETRATION RESISTANCE (SOILS)
RATING CONE INDEX
--SHEAR STRENOTH (SOILS) SNOW STRENOTH
SOIL PENETRATION TESTS
-SOIL STRENGTH
SURFACE SOIL STRENGTH UNDERGROUND STREAMS CONFINING PRESSURE 2
UF CHAMBER PRESSURE
RT COMPRESSIVE STRESS
DEVIATOR STRESS
PRINCIPAL STRESS
TRIAXIAL SHEAR TESTS
--TRIAXIAL STRESS TRAFFICABILITY
TRAFFICABILITY DATA VEHICLE CONE INDEX CONE PENETRATION TESTS 2 5

UF CONE PENETROMETER SOUNDINGS

BT SOIL PENETRATION TESTS

NT DYNAMIC CONE PENETRATION

TESTS (FIELD)

LADRATORY COME PENETRATION CONFLUENCE STRUCTURES 1
RT CHANNEL JUNCTIONS CONFORMAL MAPPING 1 2 6
UF CONFORMAL TRANSFORMATIONS
BT COMPLEX VARIABLES
FUNCTIONS (MATHEMATICS) LABORATORY CONE PENETRATION TESTS
STATIC CONE PENETRATION
TESTS (FIELD)
AIRFIELD INDEX
--BEARING CAPACITY
CONE INDEX
--CONE PENETROMETERS
--FIELD TESTS
PENETRATION DEPTH PREDICTION
PENETRATION DESISTANCE (SOLIS LEVELING. PHOTOGRAMMETRY --SURVEYING TOPOGRAPHIC SURVEYS TRIANGULATION PENETRATION RESISTANCE (SOILS)
RAMMSONDE PENETROMETERS CONFORMAL TRANSFORMATIONS 1 2 6 use CONFORMAL MAPPING --SHEAR STRENGTH (SOILS) CONCELITURBATION --SHEAR TESIS
SOIL DENSITY
SOIL PENETRATION
--SOIL STRENGTH
--SOIL TESTS (LABORATORY)
--SUBSURFACE EXPLORATION NOTE: Turning or heaving of soil
by freezing and thawing
BT FROST ACTION
RT FROST
FROZEN SOILS ICE LENSES CONE PENETROMETER SOUNDINGS
use CONE PENETRATION TESTS CONGLOMERATE 2 3 NOTE: Group of rocks consisting of rounded fragments in a finer CONE PENETROMETERS WES CONE PENETROMETERS PENETROMETERS grained matrix BT PENETROMETERS
SOIL STRENGTH TEST INSTRUMENTS
AERIAL COME PENETROMETERS
AIRPIELD CONE PENETROMETERS
DUTCH PENETROMETERS
DUTCH PENETROMETERS
RAMMSONDE PENETROMETERS
AIRPIELD INDEX
AUTOMATED PENETROMETERS
CONE INDEX
--CONE PENETRATION TESTS
PENETRATION BESISTANCE (SOILS) SEDIMENTARY ROCKS SILICEOUS ROCKS RT--BRECCIA SANDSTONES CONGRESSES use MEETINGS CONIFERS 7
NOTE: Pines, cedars, hemlocks, etc; any of a type of (mostly) evergreen trees and shrubs with (botanically) true cones
BT PLANTS (BOTANY)
NT PINE TREES
RT SHRUBS PENETRATION RESISTANCE (SOILS)
ROTATING CONES
--SHEAR EQUIPMENT
SOIL PENETRATION
--SUBSURFACE EXPLORATION
--TRAFFICABILITY TEST INSTRUMENTS CONJUNCTIVE USE 1 7
NOTE: Simultaneous use of ground and surface water supplies
RT--AQUIFERS CONFERENCES NFERENCES 5 6 CONFINED AQUIFERS 1 2 7 --GROUNDWATER
--SUBSURFACE WATER
SURFACE-GROUNDWATER
RELATIONSHIPS use AQUIFERS CONFINED COMPRESSION TESTS use CONSOLIDATION TESTS (SOILS)

CONFINED CONCRETE

BT CONCRETES
RT--REINFORCED CONCRETE
--REINFORCING STEELS

3

CONJUNCTIVE USE (Con.)
--SURFACE WATERS
--WATER MANAGEMENT
WATER RESOURCES DEVELOPMENT
--WATER STORAGE CONSISTENCY TESTS (Con.)
FLOW TROUGH TESTS
NORMAL CONSISTENCY TESTS
REMOLDING TESTS
SLUMP TESTS -- WATER SUPPLY VEBE TESTS CONCRETE WORKABILITY CONSISTENCY (CONCRETE) FRESH CONCRETES CONNATE WATER 1
NOTE: Water trapped in the
interstices of igneous rocks
BT SUBSURFACE WATERS PENETRATION TESTS VISCOMETERS WATER RT GROUNDWATER CONSOLIDATED DRAINED SHEAR TESTS use S TESTS (SOILS) CONNECTIONS NT BOLTED CONNECTIONS CAST-IN-PLACE CONNECTIONS CONSOLIDATED UNDRAINED SHEAR TESTS use R TESTS (SOILS) LAP CONNECTIONS SCARF CONNECTIONS CONSOLIDATION APPARATUS 2
use CONSOLIDOMETERS WELDED CONNECTIONS
ADHESIVES
--ANCHORS (STRUCTURES)
--PASTENERS CONSOLIDATION COEFFICIENT 2 3
use COEFFICIENT OF CONSOLIDATION -- JOINTS (JUNCTIONS) CONSOLIDATION (CONCRETE) 3
UF COMPACTION (CONCRETE)
RT COEFFICIENT OF CONSOLIDATION
--CONCRETE PLACING
CONCRETE VIBRATION CONSERVATION 7
NT--RESOURCE CONSERVATION SOIL CONSERVATION WATER CONSERVATION WILDLIFE CONSERVATION ENVIRONMENTAL MANAGEMENT --STABILIZATION TAMPING --VIBRATIONS FOREST MANAGEMENT FORESTRY VOLUME CHANGE GRASSLANDS LAND MANAGEMENT LAND RESOURCES CONSOLIDATION CURVE 2
use TIME SETTLEMENT RELATIONSHIP NATIONAL PARKS CONSOLIDATION RATE (SOILS) 2
use TIME SETTLEMENT RELATIONSHIP NATURAL RESOURCES RANGES -- RECLAMATION CONSOLIDATION (SOILS) 2
UF SOIL CONSOLIDATION
BT DEFORMATION
SOIL DEFORMATION
INITIAL CONSOLIDATION
OVERCONSOLIDATION
DEFORMSOLIDATION SANCTUARY CONSERVATION OF MASS 1
use CONTINUITY EQUATION CONSISTENCY (CONCRETE) 3
UF CONCRETE CONSISTENCY
BT CONCRETE PROPERTIES
RT CONCRETE WORKABILITY
--CONSISTENCY TESTS
FRESH CONCRETES
SLIMB PRECONSOLIDATION PRIMARY CONSOLIDATION SECONDARY CONSOLIDATION UNDERCONSOLIDATION COEFFICIENT OF CONSOLIDATION
-COMPACTION (SOILS)
-COMPRESSIBILITY (SOILS)
-COMPRESSION
-CONSOLIDATION TESTS (SOILS)
CONSOLIDATION THEORY
-CONSOLIDATION THEORY SLUMP TOLERANCES (MECHANICS) VARIABILITY --CONSOLIDATION THEORY
--CONSOLIDATION TO CONSOLIDATION
--DENSIPICATION (SOILS)
--DISPLACEMENT WATER CONTENT (CONCRETE) CONSISTENCY LIMITS 2
use ATTERBERG LIMITS --DRAINAGE FOUNDATION SETTLEMENT CONSISTENCY (SOILS) 2
NOTE: Relative ease with which a soil can be deformed
UF SOIL CONSISTENCY
BT SOIL PROPERTIES
RT--ATTERBERG LIMITS
PLASTICITY
ENGINEER CONSISTENCY (SONE) OVERBURDEN -- PORE PRESSURE PRELOAD FILLS PRELOADING (SOILS) RHEOLOGY SAND DRAINS RELATIVE CONSISTENCY (SOILS)
--SHEAR STRENGTH (SOILS) SAND DIALINS
--SETTLEMENT
SOIL PRESSURE
--SOIL STRENGTH
--STRENG MEASURING INSTRUMENTS SOFT SOILS -SOIL DEFORMATION --SOIL MORPHOLOGY SOIL PHYSICS TIME FACTORS
TIME SETTLEMENT RELATIONSHIP SOIL PHYSICS
SOIL STABILITY
STIPPNESS
VISCOSITY
WATER CONTENT (SOILS) CONSOLIDATION TESTS (SOILS) 2
UF CONFINED COMPRESSION TESTS
OEDOMETER TESTS ONE-DIMENSIONAL COMPRESSION TESTS CONSISTENCY TESTS NOTE: Tests for ability of freshly mixed concrete or mortar UNIAXIAL STRAIN TESTS BT COMPRESSION TESTS
SOIL TESTS (LABORATORY)
NT CONSOLIDATION TESTS WITH BACK to flow
BT CONCRETE TESTS
NT BALL PENETRATION TESTS
COMPACTION TESTS
FLOW TABLE TESTS (MORTARS)

CONSOLIDATION TESTS (SOILS) (Con.)
RT COEFFICIENT OF COMPRESSIBILITY
COEFFICIENT OF VOLUME
COMPRESSIBILITY COMPRESSION INDEX
--CONSOLIDATION (SOILS)
--CONSOLIDATION (SOILS)
--CONSOLIDOMETERS
CONSTRAINED MODULUS
--LOAD TESTS (FOUNDATIONS)
LOADING RATE PRESSURE VOID RATIO CURVES RECOMPRESSION RECOMPRESSION
SAND DRAIN DESIGN
--SATURATION (SOILS)
SETTLEMENT ANALYSIS
STRAIN MEASUREMENT
STRAIN RATE
SWELLING INDEX TIME SETTLEMENT RELATIONSHIP

CONSOLIDATION TESTS WITH BACK PRESSURE 2
BT COMPRESSION TESTS
CONSOLIDATION TESTS (SOILS) SOIL TESTS (LABORATORY)
BACK PRESSURE
BACK PRESSURE SATURATION
PORE PRESSURE MEASUREMENT

CONSOLIDATION THEORY 2
UF THEORY OF CONSOLIDATION
THEORY OF ONE-DIMENSIONAL THEORY OF ONE-DIMENSIONAL
CONSOLIDATION
THEORY OF THREE-DIMENSIONAL
CONSOLIDATION
COEFFICIENT OF CONSOLIDATION
COEFFICIENT OF PERMEABILITY
--CONSOLIDATION (SOILS)
DEGREE OF CONSOLIDATION
--POPE PRESSURE
SANT DAIN THEORY

SAND DRAIN THEORY SATURATED SOILS TIME FACTORS
TIME SETTLEMENT RELATIONSHIP

CONSOLIDATION TIME CURVE USE TIME SETTLEMENT RELATIONSHIP

CONSOLIDOMETERS 1 2 UF CONSOLIDATION APPARATUS OEDOMETERS
NT SLURRY CONSOLIDOMETERS
RT--CONSOLIDATION (SOILS)
--CONSOLIDATION TESTS (SOILS)
FILTER STONES
PRESSURE REGULATORS PROVING FRAMES
PROVING RINGS

CONSTANT HEAD PERMEAMETERS BT PERMEAMETERS RT--COARSE GRAINED SOILS CONSTANT HEAD TESTS

CONSTANT HEAD TESTS 1 2 BT LABORATORY PERMEABILITY TESTS TESTS
PERMEABILITY TESTS
SOIL TESTS (LABORATORY)
CONSTANT HEAD PERMEAMETERS
FALLING HEAD TESTS

CONSTANT LOADS 2 3 4

CONSTITUTIVE EQUATIONS 2

NT HOOKES LAW

RT CONSTITUTIVE MODELS

--EQUATIONS OF STATE

--STRESS-STAIN RELATIONS

CONSTITUTIVE MODELS 2
BT MATHEMATICAL MODELS
MODELS
RT--CONSTITUTIVE EQUATIONS
--EQUATIONS OF STATE
HOOKES LAW --STRESS-STRAIN RELATIONS

CONSTRAINED MODULUS 2 NOTE: Ratio of axial stress to axial strain for confined compression compression
BT MECHANICAL PROPERTIES
RT BULK MODULUS
COEFFICIENT OF COMPRESSIBILITY
COEFFICIENT OF VOLUME
COMPRESSIBILITY
COMPRESSION INDEX
--CONSOLIDATION TESTS (SOILS)
--MODULUS OF DEFORMATION
SHEAD MODULUS

SHEAR MODULUS
STRESS-STRAIN CURVES
--STRESS-STRAIN RELATIONS

CONSTRUCTION 1 2 3 4 5 6

UF BUILDING

NT AIRFIELD CONSTRUCTION
AIRPORT CONSTRUCTION
AIRPORT CONSTRUCTION
CANAL CONSTRUCTION
CHANNEL CONSTRUCTION
COLD WEATHER CONSTRUCTION
CONCRETE CONSTRUCTION
CONCRETE CONSTRUCTION
CONSTRUCTION
CONSTRUCTION
CONSTRUCTION
CONSTRUCTION
CONSTRUCTION
FARTHER CONSTRUCTION
CONSTRUCTION
CONSTRUCTION
CONSTRUCTION
FARTHER CONSTRUCTION
EAPPLOSIVE CONSTRUCTION
FOUNDATION
CONSTRUCTION
FLOATING FOUNDATION
CONSTRUCTION
FOUNDATION
CONSTRUCTION
HELIPORT CONSTRUCTION
HELIPORT CONSTRUCTION
HELIPORT CONSTRUCTION
HELIPORT CONSTRUCTION
LANDING FIELD CONSTRUCTION
LANDING MAT CONSTRUCTION
LANDING MAT CONSTRUCTION
MAT FOUNDATION CONSTRUCTION
MAT FOUNDATION CONSTRUCTION
MAT FOUNDATION CONSTRUCTION
MAT FOUNDATION CONSTRUCTION
MISSILE FACILITY CONSTRUCTION
MISSILE FACILITY CONSTRUCTION
PROTECTIVE CONSTRUCTION
FILE POUNDATION CONSTRUCTION
RESERVOIR CONSTRUCTION
RESERVOIR CONSTRUCTION
ROCKFILL LAM CONSTRUCTION
SAND DRAIN CONSTRUCTION
SAND DRAIN CONSTRUCTION
SHELTER CONSTRUCTION

RESERVOIR CONSTRUCTION
RESERVOIR CONSTRUCTION
ROCKFILL DAM CONSTRUCTION
ROCKFILL DAM CONSTRUCTION
SAND DRAIN CONSTRUCTION
SHELTER CONSTRUCTION
SLIP FORM CONSTRUCTION
TILT UP CONSTRUCTION
TILT UP CONSTRUCTION
TUNNEL CONSTRUCTION
TUNNEL CONSTRUCTION
UNDERGROUND STRUCTURE
CONSTRUCTION
UNDERGROUND STRUCTURE
CONSTRUCTION
UNDERGROUND STRUCTURE
CONSTRUCTION
WELL CONSTRUCTION
WELL CONSTRUCTION
ARCHITECTURE
BUILDING CODES
BUILDING SESEARCH
-BUILDINGS

-BUILDINGS

CARPENTRY
--CIVIL ENGINEERING --CONSTRUCTION CONTROL CONSTRUCTION COSTS --CONSTRUCTION EQUIPMENT CONSTRUCTION JOINTS CONSTRUCTION MANAGEMENT CONSTRUCTION METHODS CONSTRUCTION PRACTICES CONTRACTS

CONSTRUCTION (Con.)	CONSTRUCTION EQUIPMENT (Con.)
DESIGN EARTHWORK	BUCKET CONVEYORS
ENGINEERING SERVICES	BULLDOZERS CAISSON EXCAVATORS
EXCAVATION	CLAMSHELLS
EXPLOSIVE EXCAVATION FIELD CONTROL	COMPACTION EQUIPMENT
INSPECTION	CONCRETE MIXERS CONCRETE PAVING MACHINES
JOINTS (JUNCTIONS)	CONVEYORS
MAINTENANCE	DIESEL PILE HAMMERS
MASONRY MILITARY ENGINEERING	DIFFERENTIAL ACTING PILE HAMMERS
MILITARY OPERATIONS	DOUBLE ACTING PILE HAMMERS
PREFABRICATED BUILDINGS	DRAGLINES
PREFABRICATION PUBLIC WORKS	EARTH HANDLING EQUIPMENT EXCAVATORS
QUALITY CONTROL	GRADERS
SAFETY	GRID ROLLERS
SAFETY ENGINEERING SHIPBUILDING	HAND TAMPERS (COMPACTION) HYDRAULIC CONVEYORS
SITE PREPARATION	PAVING EQUIPMENT
(CONSTRUCTION)	PAVING EQUIPMENT
SPECIFICATIONS STRESS ANALYSIS	(BITUMINOUS)
STRUCTURAL ANALYSIS	PAVING EQUIPMENT (CONCRETE)
STRUCTURAL ENGINEERING	PILE DRIVERS
STRUCTURAL FORMSSTRUCTURAL MEMBERS	PILE DRIVING EQUIPMENT
THEORY OF STRUCTURES	PILE HAMMERS PNEUMATIC TIRED ROLLERS
WELDING	POWER SHOVELS
CONSTRUCTION CONTROL 1 0 2 h 5 6	POWER TAMPERS
CONSTRUCTION CONTROL 1 2 3 4 5 6 NT COMPACTION CONTROL (SOILS)	ROAD MACHINERY ROCK CRUSHERS
RT ACCEPTANCE TESTS	RUBBER TIRED ROLLERS
AIRFIELD CONSTRUCTION	RUBBER TIRED VIBRATORY
AIRPORT CONSTRUCTION ARROW DIAGRAMS	ROLLERS
COMPACTION TEST FILLS	SCARIFIERS SCRAPERS
CONCRETE CONSTRUCTION	SEGMENTED WHEEL ROLLERS
CONSTRUCTION CONSTRUCTION MANAGEMENT	SHEEPSFOOT ROLLERS
DAM CONSTRUCTION	SHOVELS (CONSTRUCTION EQUIPMENT)
DAM FAILURES	SINGLE ACTING PILE HAMMERS
DAM STABILITY	SLIP FORM PAVING MACHINES
FIELD CONTROLFIELD CONTROL TESTS (SOILS)	SLIP FORMS SMOOTH WHEEL VIBRATORY
FIELD LABORATORIES	ROLLERS
FIELD TESTS INSPECTION	SOIL MIXERS
MATERIALS ENGINEERING	SONIC PILE HAMMERSSPREADERS
MOISTURE CONTROL	STEEL WHEEL ROLLERS
QUALITY CONTROL SAFETY	TUNNELING MACHINES
SAFETY ENGINEERING	VIBRATORY COMPACTORS
SETTLEMENT CONTROL	VIBRATORY PILE HAMMERS VIBRATORY SHEEPSFOOT ROLLERS
SPECIFICATIONS	VIBRO-TAMPERS
CONSTRUCTION COSTS 3 6	RT AIRFIELD CONSTRUCTION
UF BUILDING ESTIMATES	AIRPORT CONSTRUCTION
BT COSTS RT ADMINISTRATIVE COSTS	COMPRESSORS
RT ADMINISTRATIVE COSTS BENEFIT COST ANALYSIS	CONSTRUCTION
CONSTRUCTION	CONSTRUCTION COSTS CONTAINER HANDLING VEHICLES
CONSTRUCTION EQUIPMENT	CHANES (HOISTS)
CONSTRUCTION MANAGEMENT CONSTRUCTION METHODS	CRAWLER TRACTORS
CONSTRUCTION PRACTICES	DREDGESDRILLING EQUIPMENT
COST ALLOCATION	HOISTS
COST ANALYSIS COST ENGINEERING	INDUSTRIAL VEHICLES
COST INDEXES	LAND CLEARING VEHICLESLOADERS
COST OVERRUNS	MAINTENANCE VEHICLES
ECONOMICS ESTIMATES	MECHANICAL ENGINEERING
LABOR COSTS	MILITARY EQUIPMENT
MAINTENANCE COSTS	OFF-ROAD VEHICLES
CONSTRUCTION EQUIPMENT 1 2 3 4 5 6	PUMPS
UF CONSTRUCTION MACHINERY	ROLLERS TRACTORS
NT AGGREGATE SPREADERS	TRUCKS
ASPHALT CURB MACHINES	WHEELED TRACTORS
ASPHALT DISTRIBUTORSASPHALT PAVING MACHINES	WINCHES
BACKHOES	CONSTRUCTION IN PERMAPROST 2 3 5
BELT CONVEYORS	IIP PEDMARDOCK CONCERNICATION

CONSTRUCTION IN PERMAFROST (Con.)	CONSTRUCTION MATERIALS (Con.)
BT CONSTRUCTION	
	GROUTS
RT AIRFIELD CONSTRUCTION	INSULATION
AIRPORT CONSTRUCTION	LININGS
COLD WEATHER CONSTRUCTION	MASONRY
COLD WEATHER OPERATIONS	12122111
FROST PENETRATION	MEMBRANES
	MORTARS (MATERIAL)
FROST PROTECTION	PAINTS
FROZEN ROCKS	PIT RUN MATERIALS
FROZEN SOILS	PLASTER
PERMAFROST	PLASTICS
PERMAFROST DRILLING	PRESTRESSED CONCRETE
PERMAFROST PROPERTIES	PROTECTIVE COATINGS
PERMAFROST REGIONS	
PERMATROSI REGIONO	REINFORCED CONCRETE
	REINFORCING STEELS
CONSTRUCTION JOINTS 2 3 4 5	ROAD MATERIALS
NOTE: Jointa between concrete	ROOFING
structures and/or slabs	SANDS
	SEALERS
BT JOINTS (JUNCTIONS)	SEALING COMPOUNDS
RT AIR WATER JETS	SOIL ASPHALT
AIRFIELD CONSTRUCTION	SOIL CEMENT
AIRPORT CONSTRUCTION	SPECIFICATIONS
ARCH DAM CONSTRUCTION	STEELS
BOND (CONCRETE TO CONCRETE)	STONES
CONCRETE CONSTRUCTION	STRUCTURAL CLAY PRODUCTS
CONCRETE DAME	
CONCRETE DAMS	STRUCTURAL MEMBERS
CONSTRUCTION	STRUCTURAL STEELS
CONTROL JOINTS	STUCCO
GRAVITY DAM CONSTRUCTION	TIMBERS
HIGH PRESSURE WATER	WALLBOARD
HORIZONTAL JOINTS	WOOD
ISOLATION JOINTS	WOOD PRESERVATIVES
JOINT FILLERS	WOOD THEODEN WATEVED
	DONOTON APPRIADO (
LONGITUDINAL JOINTS	CONSTRUCTION METHODS 6
MASONRY WALLS	RT ARCHITECTURE
SAND BLASTING	BUILDING CODES
SLABS	
	CONSTRUCTION
STRUCTURAL ADHESIVES	CONSTRUCTION COSTS
TRANSVERSE JOINTS	CONSTRUCTION MANAGEMENT
WATERSTOPS	CONSTRUCTION PRACTICES
CONGRESSOR W. CO.	CONTRACT ADMINISTRATION
CONSTRUCTION MACHINERY 2 3 4 5 6	SPECIFICATIONS
use CONSTRUCTION EQUIPMENT	STRUCTURAL ENGINEERING
	CONSTRUCTION PRACTICES 6
	CONSTRUCTION PRACTICES O
CONSTRUCTION MANAGEMENT 1 6	
BT MANAGEMENT	RT CONSTRUCTION
BT MANAGEMENT	RT CONSTRUCTION
BT MANAGEMENT RT CONSTRUCTION	RT CONSTRUCTION CONSTRUCTION COSTS
BT MANAGEMENT RT CONSTRUCTION CONSTRUCTION CONTROL	RT CONSTRUCTION CONSTRUCTION COSTS CONSTRUCTION MANAGEMENT
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BT MANAGEMENT RT CONSTRUCTION CONSTRUCTION CONTROL CONSTRUCTION COSTS CONSTRUCTION METHODS CONSTRUCTION METHODS CONSTRUCTION METHODS CONSTRUCTION METHODS CONSTRUCTION METHODS CONSTRUCTION METHODS ENGINEERING CONSTRUCTION MATERIALS ONTE: Use of a more specific term is recommended; consult the terms listed below ADDITIVES ADHESIVES AGGREGATES ASPHALTS BINDERS BITUMINOUS CONCRETES BORROW MATERIAL BRICKS CEMENTS CLAYS COAL TAR COATINGS COMPOSITE CONSTRUCTION COMPOSITE CONSTRUCTION (CONCRETE AND STEEL, ETC.) COMPOSITE MATERIALS CONCRETE PRODUCTS CONCRETES CRUSHED STONE FACINGS FILLERS	RT CONSTRUCTION CONSTRUCTION COSTS CONSTRUCTION MANAGEMENT CONSTRUCTION METHODSCONTRACT ADMINISTRATION SPECIFICATIONS CONSULTING ENGINEERS 6 BT ENGINEERS CONSUMPTIVE USE 1 NOTE: Total annual land water loss in an area due to evaporation and plant use RTDEPLETIONEVAPORATION EVAPOTRANSPIRATION EVAPOTRANSPIRAMETERSIRRIGATION WATER RETURN PLOW WATER LOSS CONTACT GROUTING 3 NOTE: Sealing operation to bond any concrete structure and adjacent rock formation BT GROUTING RT CONCRETE STRUCTURES ROCK MASSES CONTACT PRESSURE 2 NOTE: Pressure between the footing and the foundation material RT ELASTIC FOUNDATIONS PRESSURE DISTRIBUTION RIGID FOUNDATIONS

CONTACT PRESSURE (VEHICLES) (Con.) DATACT PRESSURE (VEHICLES)
BT PRESSURE
NT TIRE CONTACT PRESSURE
RT AIRCRAFT TIRES
--DYNAMIC LOADS
--FLOTATION
GROUND FLOTATION
LOAD DISTRIBUTION
--LOADS (FORCES)
--PRESSURE CELLS (SOILS)
PRESSURE DISTRIBUTION
--SOIL STRESSES SOIL STRESSES STRESS DISTRIBUTION --STRESSES
STRESSES UNDER TRACKS
--STRESSES UNDER VEHICLES
STRESSES UNDER WHEELS CONTAINED DETONATIONS use CONTAINED EXPLOSIONS CONTAINED EXPLOSIONS 4
UF CONTAINED DETONATIONS EXPLOSIONS CONTAINED NUCLEAR EXPLOSIONS RT--CONTAINMENT CONTAINED NUCLEAR EXPLOSIONS BT CONTAINED EXPLOSIONS EXPLOSIONS NUCLEAR EXPLOSIONS CONTAINER HANDLING VEHICLES
RT--CARGO VEHICLES
--CONSTRUCTION EQUIPMENT
CONTAINERS CONTAINERS ONTAINERS 2 3 5 NT STORAGE TANKS --TANKS (CONTAINERS) RT CONTAINER HANDLING VEHICLES PACKAGING CONTAINERSHIPS 6
NOTE: Ships carrying all their cargo in containers BT SHIPS RT SUPERSHIPS TANKER SHIPS NT NUCLEAR REACTOR
CONTAINMENT
RT--CONTAINED EXPLOSIONS
STEMMING EFFECTS ONTAMINANTS 1 7

NOTE: Any gas, liquid, solid, or organic or incrganic, living or dead substance that makes a natural resource unfit for a specific purpose UF POLUTANTS

RT AIR POLLUTION
AIRBORNE WASTES
--CONTAMINATION CONTAMINANTS -- CONTAMINATION DUST EFFLUENTS --EXHAUST GASES FUMES PESTICIDE RESIDUES -- POISONS -- POLLUTION PURIFICATION RADIOACTIVE WASTES SMOG SMOKE SOIL CONTAMINATION
TAILINGS
TOXICOLOGY
--WASTES -- WATER POLLUTION CONTAMINATION 2 4 7
NT RADIOACTIVE CONTAMINATION
SOIL CONTAMINATION

CONTAMINATION (Con.) RT CONTAMINANTS --DECONTAMINATION
--POLLUTION THERMAL POLLUTION TOXICITY TOXICOLOGY CONTAMINATION OF RIVERS 1 7 use STREAM POLLUTION CONTAMINATION OF STREAMS
use STREAM POLLUTION CONTAMINATION OF WATER 1 7 use WATER POLLUTION NOTE: Hypothesis that continenal masses have changed their
relative positions
RT CONTINENTS
EARTH CRUST
GEOMAGNETISM
GEOPHYSICS
MARINE GEOLOGY CONTINENTAL DRIFT CONTINENTAL GLACIATION BT GLACIATION RT--GLACIAL FEATURES GLACIOLOGY -- POLAR REGIONS -- QUATERNARY PERIOD CONTINENTAL MARGIN 1
BT TOPOGRAPHIC FEATURES
NT CONTINENTAL SHELF CONTINENTAL SLOPE CONTINENTAL SHELF 1 2 NOTE: Submarine continuation of a continent BT CONTINENTAL MARGIN TOPOGRAPHIC FEATURES RT COASTAL MORPHOLOGY CONTINENTAL SLOPE --GEOMORPHOLOGY LITTORAL ZONE SHORES
SUBMARINE CANYONS
SUBMARINE TOPOGRAPHY
TIDAL WATERS CONTINENTAL SLOPE ONTINENTAL SLOPE 1 2
NOTE: Steep slope separating
a continental shelf and a deep ocean basin BT CONTINENTAL MARGIN SLOPES TOPOGRAPHIC FEATURES
CONTINENTAL SHELF
GEOMORPHOLOGY MARINE GEOLOGY OCEANS SUBMARINE TOPOGRAPHY TURBIDITY CURRENTS CONTINENTS BT TOPOGRAPHIC FEATURES RT CONTINENTAL DRIFT CONTINUITY EQUATION 1 2 UP CONSERVATION OF MASS RT--FLOW --FLUID DYNAMICS HYDRAULIC JUMP --HYDRAULICS HYDRODYNAMICS MOMENTUM EQUATION CONTINUOUS BEAMS 2 3
BT BEAMS (SUPPORTS)
STRUCTURAL MEMBERS
RT BEAMS ON ELASTIC
POUNDATIONS

CONTINUOUS BEAMS (Con.)
BOX BEAMS
CHANNEL BEAMS
--CONCRETE BEAMS
CURVED BEAMS CONTRACT ADMINISTRATION (Con.) NT BIDS CHANGE ORDERS CLAIMS (CONTRACTS) -AGREEMENTS
CONSTRUCTION MANAGEMENT
CONSTRUCTION METHODS
CONSTRUCTION PRACTICES GRADE BEAMS H BEAMS I BEAMS T BEAMS CONTRACTS NEGOTIATIONS CONTINUOUS FLIGHT AUGERS 2 -- PROJECT MANAGEMENT BT AUGERS EXPLORATION SAMPLERS CONTRACTING 6
use CONTRACT ADMINISTRATION POWER AUGERS SAMPLERS SOIL SAMPLERS RT HELICAL AUGERS ONTRACTION 1 3 4
NT CONCRETE CONTRACTION
RT CONTRACTIONS (HYDRAULICS) CONTRACTION CONTINUOUS FLOW 7
use RUNNING WATERS --SHRINKAGE CONTINUOUS FOOTINGS 2 3
UF WALL FOOTINGS
BT FOOTINGS
FOUNDATIONS
SHALLOW FOUNDATIONS
RT COMBINED FOOTINGS CONTRACTION JOINTS
use CONTROL JOINTS 2 3 4 5 2 3 CONTRACTIONS (HYDRAULICS) 1
NOTE: Includes contractions in conduits, channels, pipes, etc.
UF CONDUIT CONTRACTION
RIVER CONTRACTION
STREAM CONTRACTION GRADE BEAMS MAT FOUNDATIONS BT TRANSITIONS (HYDRAULICS) RT CONTRACTION CONTINUOUS GROUPS 6
BT THEORY OF GROUPS HEAD LOSSES
--VENTURI FLUMES VENTURI METERS CONTINUOUS MEDIA 2
use CONTINUUM MECHANICS ONTRACTS 6
UF CONTRACTS (ENGINEERING)
ENGINEERING CONTRACTS
SUBCONTRACTS CONTINUOUS MIX PLANTS (ASPHALT)
use ASPHALT PLANTS NT REPAYMENT CONTRACTS
RT--AGREEMENTS CONTINUOUS SAMPLE BORING 2 BT BORING RT CONTINUOUS SAMPLING BIDS BUILDING CODES -ROTARY DRILLING CLAIMS (CONTRACTS)
CONSTRUCTION SOIL SAMPLING SWEDISH FOIL SAMPLERS CONTRACT ADMINISTRATION COST ENGINEERING CONTINUOUS SAMPLING 2
BT SAMPLING
RT CONTINUOUS SAMPLE BORING -DESIGN DESIGN STANDARDS ESTIMATES ICE SAMPLING ROCK SAMPLING LEASES LEASING SOIL SAMPLING LITIGATION NEGOTIATIONS PROPOSALS SWEDISH FOIL SAMPLERS CONTINUOUS VIBRATION METHODS USE VIBRATORY INVESTIGATIONS PUBLIC WORKS
--SPECIFICATIONS CONTINUOUSLY REINFORCED CONCRETE PAVEMENTS 2 3 4 5 BT RIGID PAVEMENTS CONTRACTS (ENGINEERING)
use CONTRACTS CONTRAILS 7
use CONDENSATION TRAILS CONTINUUM HYPOTHESIS 6 BT MATHEMATICAL LOGIC CONTROL CHARTS CONTINUUM MECHANICS BT CHARTS
RT--QUALITY CONTROL
--STANDARDS UF CONTINUOUS MEDIA RT--FLUID MECHANICS --HYDROMECHANICS STATISTICAL QUALITY CONTROL CONTINUUM PHYSICS 6
NOTE: Study of distributions
of energy and matter under
circumstances where the
discrete nature of the latter VARIABILITY CONTROL EQUIPMENT 1 2
UF CONTROL SYSTEMS
NT CONTROLLERS
ELECTRIC RELAYS
PRESSURE REGULATORS
REGULATORS is unimportant CONTOURS SERVOMECHANISMS SERVOMOTORS RT ELEVATION --FLOW CONTROL SPEED REGULATORS THERMOSTATS -- PROFILES
TOPOGRAPHIC MAPPING ACTUATORS AUTOMATIC CONTROL TOPOGRAPHY

CONTRACT ADMINISTRATION UF CONTRACTING BT MANAGEMENT CONTROL EQUIPMENT (Con.)
AUTOMATION
--COMPUTER SYSTEMS HARDWARE
CONTROL THEORY DETECTORS
--ELECTRIC EQUIPMENT
ELECTRONIC EQUIPMENT
FIELD CONTROL FIELD CONTROL
FLOW REGULATORS
FLUIDIC CONTROL DEVICES
LINEAR SYSTEMS
-MEASURING INSTRUMENTS
NONLINEAR SYSTEMS
PNEUMATIC INSTRUMENTS
PRESSURE CONTROL
PROCESS CONTROL PUMPS -- RECORDING INSTRUMENTS REMOTE CONTROL SCHEDULING --SENSORS TELEMETRY CONTROL JOINTS 2 3 4 5 CONTRACTION
EXPANSION JOINTS
JOINTS (JUNCTIONS)
CONCRETE CONSTRUCTION CONCRETE CONSTRUCTION
CONSTRUCTION JOINTS
ISOLATION JOINTS
JOINT FILLERS
LONGITUDINAL JOINTS PIPE JOINTS --SHRINKAGE --SLABS TEMPERATURE EFFECTS THERMAL EXPANSION THERMAL STRESSES TRANSVERSE JOINTS CONTROL STRUCTURES NOTE: Limited to water control structures
UF CONTROL WORKS BACKWATER PROFILES
CHECK DAMS
--CHECK STRUCTURES
CHUTE SPILLWAYS
CLOSED CONDUIT SPILLWAYS
--COFFERDAMS -DAMS
DENTATED SILLS
DIVERSION DAMS
EMERGENCY CLOSURES
FLIP BUCKETS
FLOODGATES FLOODGATES
FLOODWAYS
INTAKE STRUCTURES
JETTIES
--OUTLET WORKS
--SPILLWAYS
WATER CONTROL
WATER SURFACE
--WATER SURFACE PROFILES CONTROL SYSTEMS 1 2 3 6 CONTROL THEORY 6
RT--AUTOMATIC CONTROL
AUTOMATION
CONTROL EQUIPMENT
CYBERNETICS DIFFERENTIAL EQUATIONS STEADY STATE SYSTEMS ENGINEERING UNSTEADY STATE CONTROL WORKS use CONTROL STRUCTURES CONTROLLED DRAINAGE 1
BT DRAINAGE
RT DRAINAGE ENGINEERING
DRAINAGE PRACTICES
DRAINAGE SYSTEMS

CONTROLLED STRAIN TESTS 2
use TRIAXIAL SHEAR TESTS CONTROLLED STRESS TESTS : CONTROLLERS NOTE: Devices that employ an outside source of energy for operation and usually use feedback CONTROL EQUIPMENT SERVOMECHANISMS SERVOMOTORS CYBERNETICS PNEUMATIC CONTROL
PNEUMATIC INSTRUMENTS
PROCESS CONTROL
-RECORDING INSTRUMENTS --REGULATORS
SPEED CONTROL
SPEED REGULATORS
THERMOSTATS TRANSDUCERS ONVECTION 1 2 6 7 NOTE: Motion resulting in a fluid owing to differences of density and the action of CONVECTION gravity RT ADVECTION AIR CIRCULATION ATMOSPHERE BOUNDARY PROCESSES
--CIRCULATION CLOUDS --FLUID DYNAMICS --HEAT HEAT TRANSFER HEAT TRANSMISSION HEATING -HYDROMECHANICS MIXING THERMAL STRATIFICATION
--WATER CIRCULATION
--WATER CURRENTS CONVENTIONAL STEERING use ACKERMAN STEERING CONVENTIONAL WARFARE use WARFARE CONVENTIONAL WEAPONS 4 UF NONNUCLEAR WEAPONS BT WEAPONS BT WEAPONS
RT--AMMUNITION
BALLISTIC MISSILES
CARTHIDGES (EXPLOSIVES)
CONVENTIONAL WEAPONS EFFECTS
DEMOLITION CHARGES
DEPTH CHARGES DETONATORS FIRE CONTROL GRENADES GUIDED MISSILES LAND MINES
--MILITARY AIRCRAFT
--MINES (ORDNANCE)
--MISSILES -- PROJECTILES -- ROCKETS SHAPED CHARGES TORPEDOES --WARFARE --WARHEADS CONVENTIONAL WEAPONS EFFECTS 4
BT WEAPONS EFFECTS
RT CONVENTIONAL WEAPONS CONVENTIONS

use MEETINGS

CONVERGING FLOW 1 BT FLOW RT APPROACH CHANNELS BACKWATER --DRAWDOWN OPEN CHANNEL FLOW WAKES CONVERGING SECTIONS NOTE: Refers to OPEN CHANNELS, CANALS, etc. RT OPEN CHANNEL FLOW CONVERSION 6
RT DESIGN IMPROVEMENTS
DESIGN MODIFICATIONS CONVERTERS (DIGITAL TO ANALOG) 6
use DIGITAL TO ANALOG CONVERTERS CONVERTIBLE AIRCRAFT 2 4 5
BT AIRCRAFT
RT--MILITARY AIRCRAFT
SHORT TAKEOFF AND LANDING
AIRCRAFT
VERTICAL TAKEOFF AND LANDING
AIRCRAFT CONVEYING NVEYING 3
NT PNEUMATIC CONVEYING
RT BULK HANDLING
--CONCRETE PLACING
--CONVEYORS MATERIALS HANDLING ONVEYORS 2 3 5
BT CONSTRUCTION EQUIPMENT
EARTH HANDLING EQUIPMENT
MATERIALS HANDLING EQUIPMENT
NT--BELT CONVEYORS
BUCKET CONVEYORS
CLOSED-TUBE BELT CONVEYORS
GRAVITY CONVEYORS
HYDRAULIC CONVEYORS
LONG DISTANCE CONVEYORS
PNEUMATIC CONVEYORS
SCREW CONVEYORS
SCREW CONVEYORS
BULK TRANSPORTERS
CHUTES CONVEYORS CHUTES -- CONVEYING FEEDERS STACKERS TRAMWAYS UNLOADERS WHEEL EXCAVATORS COOLANTS RT BRINES COOLING COOLERS OCLERS 6
RT AIR CONDITIONERS
--AIR CONDITIONING EQUIPMENT
COOLING COOLING SYSTEMS REFRIGERATING REFRIGERATING MACHINERY OOLING 1 6 7
UP HEAT DISSIPATION
RT AIR CONDITIONING
COOLANTS COOLING COOLARYS
COOLING SYSTEMS
COOLING TOWERS
ENVIRONMENTAL ENGINEERING HEAT LOSS HEAT TRANSFER HEATING REFRIGERATING -TEMPERATURE

-TEMPERATURE CONTROL
TEMPERATURE DISTRIBUTION
THERMAL STRESSES
VENTILATION

COOLING (CONCRETE) 3
UF CONCRETE COOLING
PRECOOLING (CONCRETE)
RT CONCRETE TEMPERATURE
MASS CONCRETE TEMPERATURE CONTROL TEMPERATURE RISE (CONCRETE) COOLING SYSTEMS AIR CIRCULATION
AIR CONDITIONERS
AIR CONDITIONING
--AIR CONDITIONING EQUIPMENT COOLERS COOLING DUCTS
PANS
HEAT PUMPS
HUMIDITY CONTROL
REPRIOGRATING
REFRIGERATING MACHINERY
TEMPERATURE CONTROL
VENUTLATION COOLING TOWERS 1 7
NOTE: Device to remove excess heat from water used in industrial operations, notably in electric power generation RT COOLING HYDROELECTRIC PLANTS
WATER CONSERVATION
WATER RECIRCULATION
--WATER SUPPLY COOLING WATER 1 BT WATER RT INDUSTRIAL WATER NT GRIDS (COORDINATES)
RT--ALGEBRA COORDINATES --GEOMETRY --MAPS -- SURVEYING COPEPODS 7
NOTE: Large subclass of crustacea comprising minute aquatic forms, found in both fresh and sait BT AQUATIC ANIMALS CRUSTACEA INVERTEBRATES COPOLYMERIZATION 3
use POLYMERIZATION COPPER 2 3 6
BT METALS
RT ALLOYS
--COATINGS
CORROSION PREVENTION COPPER PIPES BT METAL PIPES PIPES COPPER SULFATE 1 6 BT SULFATES RT ALGICIDES COPYRIGHT LAWS RT PATENT LAWS COQUINA 2 3
NOTE: Soft porous limestone composed of broken shells, corals, and other organic debris
BT CALCAREOUS ROCKS
LIMESTONES --ROCKS --SEDIMENTARY ROCKS

COQUINA (Con.)
RT CORAL
SHELLS (CONSTRUCTION MATERIAL) DRAL 1 2 3 7
BT AQUATIC ANIMALS
INVERTEBRATES
MARINE ANIMALS
RT--AGGREGATES
ATOLLS
ROUSEDNE CORAL BIOHERMS -- CALCAREOUS ROCKS -- CALCIUM CARBONATES -- CALCIUM COMPOUNDS COQUINA --CORAL REEPS AND ISLANDS FORAMINI FERA -- LIMESTONES --REEFS CORAL REEFS AND ISLANDS BT ISLANDS (LANDFORMS) REEFS BIOHERMS RT CORAL CORE BARRELS use CORE BORING SAMPLERS CORE BORING SAMPLERS 2 3
NOTE: Samplers advanced by a
chopping action of the barrel
or by rotation while being
forced into the ground or other media
UF CORE BARRELS
CORE DRILLS CORE DRILLS
SAMPLERS
AUGER CORE BARRELS
DENISON SAMPLERS
DIAMOND BIT CORE BARRELS
-DOUBLE TUBE CORE BARRELS
HARD METAL TEETH CORE
DABBETS HAND METAL TEETH CORE BARRELS OIL FIELD CORE BARRELS PERCUSSION CORE BARRELS FITCHER SAMPLERS ROTARY CORE BARRELS SHOW CORE BARRELS --ROTARY CORE BARRELS
SHOOLE TUBE CORE BARRELS
--SOIL CORE BARRELS
WES SAMPLERS
RT CONCRETE CORES
CORE DRILLING --CORES --CORES
DRILL BITS
ICE SAMPLERS
ICE SAMPLING
--ROCK SAMPLING
--SOIL SAMPLING
--SOIL SAMPLING
--SOIL SAMPLING UNDISTURBED SAMPLING UNDISTURBED SOIL SAMPLES CORE DRILLING 1 2 3 CORING DRILLING ROTARY DRILLING BOREHOLES CALYX BORING CONCRETE CORES -- CORE BORING SAMPLERS --CORES DRILLING PLUIDS
PERCUSSION DRILLING ROCK CORES ROCK DRILLING CORE DRILLS 2
use CORE BORING SAMPLERS CORE ORIENTATORS 2 NOTE: Devices that mark bottom of borehole RT--CORES

THE PROPERTY OF THE PARTY OF TH

CORE WALLS 1 2
NOTE: Walls of masonry, earth,
sheet piling, or puddled clay,
built inside a dam or embankment, and usually along the axis, to provide resistance axis, to provide resistant
to seepage
r CORES (DAMS)
EARTH DAM SEEPAGE
--EARTH DAMS
IMPERVIOUS CUTOFFS
IMPERVIOUS MEMBRANES
ROCKFILL DAMS
SEEPAGE CONTROL DESIGN
SHEET PILING CORES 2 3

NT CONCRETE CORES

ICE CORES

ROCK CORES

RT CALYX BORING

--CORE BORING SAMPLERS

CORE DRILLING

CORE OF OF LENTATORS CORE ORIENTATORS DRILL BITS --ROTARY DRILLING --SAMPLES
--SAMPLING
--TEST SPECIMENS UNDISTURBED SOIL SAMPLES CORES (DAMS) 1 2

NOTE: Section constructed in the center of an earthfill or rockfill dam along its axis, for the purpose of preventing the passage of water through the dam

UF CLAY CORES (DAMS)

RT CORE WALLS

EARTH DAM SEEPAGE

--EARTH DAMS

GROUT CURTAINS

HYDRAULIC FRACTURING

IMPERVIOUS CUTOFFS

IMPERVIOUS SOILS

ROCKFILL DAM SEEPAGE

ROCKFILL DAMS

SEEPAGE CONTROL DESIGN

WATER PROOFING (SOILS) WATERPROOFING (SOILS) CORING 1 2 3 use CORE DRILLING CORIOLIS FORCE 1
RT OCEAN CURRENTS
--WIND (METEOROLOGY) CORRECTION RT ALIGNMENT
DESIGN IMPROVEMENTS
DESIGN MODIFICATIONS CORRELATION 1 6
RT CORRELATION TECHNIQUES
--FORECASTING
LEAST SQUARES METHOD PROBABILITY THEORY
--QUALITY CONTROL STATISTICAL ANALYSIS TIME SERIES ANALYSIS CORRELATION TECHNIQUES 1
RT CORRELATION
CURVE FITTING
EVALUATION
LEAST SQUARES METHOD
OPTIMIZATION 1 2 5 6 -PREDICTIONS PROBABILITY THEORY
-QUALITY CONTROL
REGRESSION ANALYSIS

CORRELATION "ECHNIQUES (Con.)
--STATISTICAL ANALYSIS
STATISTICAL PISTRIBUTIONS
STATISTICAL TESTS CORROSION PREVENTION (Con.)
--PROTECTIVE COATINGS
WEATHERPROOFING STATISTICS TIME SERIES ANALYSIS CORROSION PROTECTION 1 3 ELECTROLYTIC CORROSION
GALVANIC CORROSION
FILE CORROSION
RUSTING
SEA WARMEN CORROSION CORROSION REDUCTION 1 2 3 use CORROSION PREVENTION CORHOSION RESISTANCE 2 3
UF RUST PREVENTION
NT STRESS CORROSION RESISTANCE
RT ACID RESISTANCE
CATHODIC PROTECTION
CHEMICAL ATTACK
--CHEMICAL PROPERTIES
--CHEMICAL TESTS
CONCRETE FINISHES
(HARDENED CONCRETE)
--CORROSION
--CORROSION PREVENTION SEA WATER CORROSION STRESS CORROSION UNDERGROUND CORROSION ACID RESISTANCE ACID SOILS AGING ALUMINUM CATHODIC PROTECTION --CHEMICAL ATTACK
--CHEMICAL PROPERTIES
--CHEMICAL REACTIONS
--COATINGS --CORROSION PREVENTION
--CORROSION TESTS
--DURABILITY --CONCRETE PILES
--CONCRETE PIPES
--CORROSION PREVENTION
CORROSION RESISTANCE
CORROSION TESTS
--DAMAGE PASSIVITY RUSTING ORROSION TESTS 1 3

NT ACID RESISTANCE TESTS
ALKALI RESISTANCE TESTS
GALVANIC CORROSION TESTS
IMMERSION TESTS (CORROSION)
SALT SPRAY TESTS
STRESS CORROSION TESTS
WATER STAIN TESTS
ACID RESISTANCE CORROSION TESTS DECOMPOSITION
--DETERIORATION ELECTROCHEMISTRY ELECTROLYSIS HUMIDITY HYDRATION MARINE ATMOSPHERES
--METAL PIPES ACID RESISTANCE CHEMICAL ATTACK --CHEMICAL TESTS --CORROSION OXIDATION PASSIVITY PROTECTIVE COATINGS
PROTECTIVE COATINGS (LANDING CORROSION PREVENTION -CORROSION RESISTANCE MATS) PROTECTIVE COATINGS STAINING (MEMBRANES) SALT WATER STAINS WEATHERING (CONCRETE) --STEEL PILES --WEATHERING (GEOLOGY) CORRUGATED METAL PIPES
BT CLOSED CONDUITS
CONDUITS WELL CASINGS WELL SCREENS WELLPOINT SCREENS METAL PIPES PIPES RT--CULVERTS CORROSION CONTROL 1 2 3
use CORROSION PREVENTION -- DRAINAGE NONCIRCULAR CONDUITS CORROSION INHIBITORS UF RUST INHIBITORS BT INHIBITORS CORUNDUM use RUBIES RT--ADDITIVES
CORROSION PREVENTION
--PROTECTIVE COATINGS COSMOLOGY 6
RT ASTRONOMY
SPACE SCIENCES -- RETARDANTS CORROSION PREVENTION 1 2 3
UF CORROSION CONTROL
CORROSION PROTECTION
CORROSION REDUCTION COST ALLOCATION
BT ALLOCATIONS
RT BUDGETING CONSTRUCTION COSTS CATHODIC PROTECTION AERATION PROJECT PLANNING COST ANALYSIS 5 6 NT BENEFIT COST ANALYSIS RT--APPRAISALS ASPHALT PRIMER CHROMIUM COAL TAR COMPARISON COMPARISON
CONSTRUCTION COSTS
COST COMPARISONS
COST CONTROL
COST EFFECTIVENESS
COST ENGINEERING COPPER -CORROSION CORROSION INHIBITORS -CORROSION RESISTANCE CORROSION TESTS -- COSTS --COSTS
ECONOMIC ANALYSIS
--EVALUATION
FEASIBILITY STUDIES
LAND APPRAISAL
OPERATIONS RESEARCH
PROJECT PLANNING LIQUID ASPHALT MANGANESE NICKEL --PAINTS PASSIVITY -- pH TESTS

COST ANALYSIS (Con.)
SYSTEMS ANALYSIS VALUE ENGINEERING

COST BENEFIT ANALYSIS 6
use BENEFIT COST ANALYSIS

COST COMPARISON RT COST ANALYSIS

COST CONTROL 6 BENEFIT COST ANALYSIS BUDGETING COST OVERRUNS --COSTS
CRITICAL PATH METHOD
ECONOMIC ANALYSIS
--FORECASTING INDUSTRIAL ENGINEERING MANAGEMENT --QUALITY CONTROL

COST EFFECTIVENESS 6
RT BENEFIT COST ANALYSIS --COST ANALYSIS
--COSTS
--OPERATIONS RESEARCH
SYSTEMS ANALYSIS

COST ENGINEERING 6
UF COST REDUCTION
ENGINEERING ECONOMY ACCOUNTING BENEFIT COST ANALYSIS CAPITAL
CONSTRUCTION MANAGEMENT
CONSTRUCTION COSTS CONTRACTS -- COST ANALYSIS COSTS
DECISION MAKING
DESIGN CRITERIA
DESIGN STANDARDS
ECONOMIC ANALYSIS
ENGINEERING COSTS
INDUSTRIAL ENGINEERING STANDARDS SYSTEMS ENGINEERING VALUE ENGINEERING

COST INDEXES BT RATIOS RT CONSTRUCTION COSTS

COST OVERRUNS
RT AUDITING
BUDGETING CONSTRUCTION COSTS COST CONTROL

COST REDUCTION ST REDUCTION 6
use COST ENGINEERING

COSTS

COST SHARING ADMINISTRATIVE COSTS BUDGETING DECISION MAKING

OSTS 3 6
UF EXPENSES
NT ADMINISTRATIVE COSTS
CONSTRUCTION COSTS ENGINEERING COSTS LABOR COSTS
MAINTENANCE COSTS
UNIT COSTS
BENEFIT COST ANALYSIS BIDS COST ANALYSIS
COST CONTROL
COST EFFECTIVENESS
COST ENGINEERING ECONOMICS SYSTEMS ENGINEERING VALUE ENGINEERING

COTTON SOILS 2
use BLACK COTTON SOILS

2 4 COULOMB EQUATION RT--COHESION EFFECTIVE STRESS INTERNAL FRICTION
MOHR CIRCLE
MOHR-COULOMB THEORY
MOHR ENVELOPE SHEAR FAILURE
--SHEAR PROPERTIES
--SHEAR STRENGTH
--SLOPE STABILITY ANALYSIS

UF COULOMBIC FORCES
RT--CLAY MINERALS
CLAY STRUCTURE
--COHESION
FI FORMAGE COULOMB INTERACTIONS ELECTROSTATICS INTRINSIC FORCES

COULOMB LINE use MOHR ENVELOPE

COULOMBIC FORCES 2
use COULOMB INTERACTIONS

COULOMBS THEORY DULOMBS THEORY 2
BT EARTH PRESSURE THEORIES
RT--CRITICAL SURFACE
CULMANNS METHOD
PONCELETS METHOD
REBHANNS METHOD WALL FRICTION WEDGE METHOD

UNTERFORT DRAINS 1 2 NOTE: Variation of trench drain used to stabilize a slip in COUNTERFORT DRAINS a bank
BT DRAINAGE STRUCTURES
DRAINS
SUBDRAINS RT CRUSHED STONE
--GRAVELS
SLOPE STABILIZATION TRENCH DRAINS

COUNTERPORT WALLS 2
BT RETAINING WALLS
WALLS
RT BUTTRESSED WALLS
CANTILEVER WALLS COUNTERFORTS

COUNTERFORTS 2
UF BUTTRESSES
RT COUNTERPORT WALLS
--RETAINING WALLS --SUPPORTS --WALLS

COUNTERMEASURES NT MINE COUNTERMEASURES MISSILE COUNTERMEASURES RT PROTECTION

COUNTERS 1
NOTE: Use of a more specific term is recommended; consult the terms listed below DETECTORS
MEASURING INSTRUMENTS
RECORDING INSTRUMENTS

COUPLINGS (VEHICLES)
RT SEMITRAILERS
--TOWED VEHICLES
--TRACTORS TRAILERS

COVER CROPS 7 BT PLANTS (BOTANY)

CRATER EJECTA (Con.)
UF EJECTA (CRATERS)
RT--BLAST EFFECTS
BOULDERS
CRATER FALLBACK
CRATER SLOPES COVER CROPS (Con.)
RT GROUND COVER
--ORGANIC MATTER
SOIL CONSERVATION COVERAGES (AIRCRAFT) 5
UF PASS PER COVERAGE RATIO
RT--TRAFFIC TESTS
TRAFFIC VOLUME (PASSES) -- CRATERING -- CRATERS -- EXPLOSION EFFECTS
-- EXPLOSIVE EXCAVATION HE EXPLOSIONS HIGH EXPLOSIVE CRATERS M 6
use CRITICAL PATH METHOD MUNITION EFFECTIVENESS
NUCLEAR CRATERS
NUCLEAR DEBRIS
--NUCLEAR EXCAVATION
--NUCLEAR EXPLOSION EFFECTS
--OBSTACLES CRACK PROPAGATION 3
RT BAUSCHINGER EFFECT
--CONCRETE CRACKING
CONCRETE FATIGUE
--CRACKING (FRACTURING)
FATIGUE (MATERIALS) RATER FALLBACK 2 4
NOTE: Material fallen inside the true crater
UF FALLBACK (CRATERS)
RT BLAST EFFECTS
CRATER EJECTA
CRATER SLOPES
--CRATERING
CRATERING INVESTIGATIONS
CRATERING THEORY CRATER FALLBACK CRACK RESISTANCE TESTS
BT CONCRETE TESTS CRACKING (FRACTURING) 1 2 3 4 5 6 NT--CONCRETE CRACKING D CRACKING EMBANKMENT CRACKING PAVEMENT CRACKING
PAVEMENT CRACKING
SHRINKAGE CRACKING
BAUSCHINGER EFFECT
BOLT TESTS
--COMMINUTION CRATERING THEORY -- CRATERS
HIGH EXPLOSIVE CRATERS
NUCLEAR CRATERS CONCRETE CRAZING
--CONCRETE DURABILITY
CRACK PROPAGATION
DAM BREACHES
--DAM FAILURES
--DAM PERFORMANCE CRATER MODELS BT MODELS RT--CRATERING -- CRATERS CRATER SLOPES 2 3 4
BT SLOPES
RT CHATER DIMENSIONS
CRATER EJECTA
CRATER FALLBACK --DAMAGE -- DEFLECTION --DETERIORATION DISCONTINUITIES (STRUCTURAL GEOLOGY)
DISINTEGRATION -CRATERING DISINTEGRATION
DISTORTION (STRUCTURAL)
--FAILURE (MECHANICS)
FATIQUE (MATERIALS)
FISSURES
FRACTURE MECHANICS
FRACTURE OF SOLIDS
FRACTURES AND FRACTURING
(GEOLOGY)
--FRACMENTATION
--FROST ACTION
--JACKING TESTS
ROCK BURSTS
RUPTURING
SHEAR CRACKS
SPALLING CRATERING INVESTIGATIONS CRATERING THEORY CRITICAL SLOPE NATERING 1 2 3 4
NOTE: Process or mechanism of crater formation
NT ROW CHARGE CRATERING
RT--BLAST EFFECTS CRATERING -BLAST EFFECTS
CRATER DIMENSIONS
CRATER EJECTA
CRATER FALLBACK
CRATER MODELS
CRATER SLOPES
CRATERING INVESTIGATIONS
CRATERING THEORY
CRATERS SPALLING STRESS CORROSION WEATHERING (GEOLOGY) -- CRATERS --CRATERS
DETONATION
--EXCAVATION
--EXPLOSION EFFECTS
--EXPLOSIVE EXCAVATION
--NUCLEAR EXCAVATION
--NUCLEAR EXPLOSION EFFECTS CRACKING IN CONCRETE 3
use CONCRETE CRACKING CRANES (HOISTS) 3 5
NT TOWER CRANES
RT--CONSTRUCTION EQUIPMENT SURFACE EXPLOSIONS -- EARTH HANDLING EQUIPMENT CRATERING INVESTIGATIONS
RT--BLAST EFFECTS
CRATER FALLBACK
CRATER SLOPES
--CRATERING
CRATERING THEORY HOISTS --LOADERS CRARY WAVES 2 3 L -- CRATERS CRATER DIMENSIONS CRATER SLOPES CRATERING THEORY 2 4
RT--BLAST EFFECTS
CRATER DIMENSIONS
CRATER FALLBACK
CRATER SLOPES CRATERING THEORY -- CRATERS CRATER EJECTA 2 3 4 5 NOTE: Refers to craters formed by explosions -- CRATERING CRATERING INVESTIGATIONS

RS 2 3 4 5
HIGH EXPLOSIVE CRATERS
IMPACT CRATERS
LUNAR CRATERS
METEORITE CRATERS CRATERS METEORITE CRATERS
VOLCANIC CRATERS
VOLCANIC CRATERS
BLAST EFFECTS
CRATER DIMENSIONS
CRATER EJECTA
CRATER FALLBACK
CRATER MODELS
CRATER SLOPES
CRATERSION -CRATERING CRATERING CRATERING INVESTIGATIONS
CRATERING THEORY
--EXPLOSION EFFECTS -- OBSTACLES ROW CHARGE CRATERING CRAWLER TRACTORS 5
BT TRACKED VEHICLES
TRACTORS BULLDOZERS -- CONSTRUCTION EQUIPMENT WHEELED TRACTORS CRAZING (CONCRETE) 3
use CONCRETE CRAZING CREEKS use STREAMS REEP 2 3 4 6
UF TIME DEPENDENT DEFLECTIONS
TIME DEPENDENT DEFORMATION BT DEFORMATION
NT CONCRETE CREEP
ROCK CREEP
SOIL CREEP
RT--CREEP PROPERTIES
CREEP RATE
DISPLACEMENT CREEP HATE
--DISPLACEMENT
--FAILURE (MECHANICS)
PATIGUE (MATERIALS)
--FLOW
PLASTIC EQUILIBRIUM
RESIDUAL SHEAR STRENGTH RHEOLOGY --SETTLEMENT --SLIDES SLOPE FAILURES SOLIFLUCTION STRESS RELAXATION CREEP PROPERTIES REEP PROPERTIES 2 3 4
BT MECHANICAL PROPERTIES
NT CREEP RATE
CREEP RECOVERY
CREEP STRENGTH
RT--COMPRESSIVE PROPERTIES
--COMPRESSIVE STRENGTH
(CONCRETE)
CONCRETE CREEP
CONCRETE CREEP TESTS
CONCRETE EXTENSIBILITY
CONCRETE FATIGUE
--CREEP

-- CREEP TESTS

PLASTICITY PROGRESSIVE FAILURE

DUCTILITY DISLOCATION THEORY EXTENSIBILITY
PATIGUE (MATERIALS)
PLASTIC DEFORMATION

RESIDUAL STRESS
-RHEOLOGICAL PROPERTIES
ROCK CREEP TESTS
-SHEAR PROPERTIES
SOIL CREEP TESTS
-STRAINS

STRESS RELAXATION -- STRESSES -- TENSILE PROPERTIES

VISCOSITY VISCOELASTICITY CREEP RATE 2 UF RATE OF CREEP
BT CREEP PROPERTIES CREEP STRENGTH ROCK CREEP TESTS SLOPE FAILURES SOIL CREEP TESTS CREEP RECOVERY 3
BT CREEP PROPERTIES
MECHANICAL PROPERTIES
RT CONCRETE CREEP
CONCRETE CREEP TESTS -- CREEP TESTS CREEP RESISTANCE 2 3 4 use CREEP STRENGTH UF CREEP RESISTANCE
BT CREEP PROPERTIES CREEP STRENGTH CREEP PROPERTIES
MECHANICAL PROPERTIES
CREEP RATE
RESIDUAL SHEAR STRENGTH
ROCK CREEP TESTS
--SHEAR STRENGTH
SOIL CREEP TESTS
STRENGTH OF MATERIALS
ULTIMATE STRENGTH CREEP TESTS REEP TESTS 2 3 4
UF PLASTIC FLOW TESTS
BT STATIC TESTS NT CONCRETE CREEP TESTS
ROCK CREEP TESTS
SOIL CREEP TESTS
RT--COMPRESSION TESTS -- CREEP PROPERTIES CREEP RECOVERY DUCTILITY FATIGUE TESTS HIGH TEMPERATURE TESTS
LOW TEMPERATURE TESTS
PLASTIC DEFORMATION
PLASTICITY TESTS RADIATION TESTS RESIDUAL STRESS -- TENSION TESTS -- TRIAXIAL SHEAR TESTS --SHEAR TESTS STRESS RELAXATION TESTS STRESS-STRAIN CURVES
--STRESS-STRAIN RELATIONS CREEP TESTS (ROCK)
use ROCK CREEP TESTS CREEP TESTS (SOILS)
use SOIL CREEP TESTS CREOSOTED PILES use TREATED TIMBER PILES CRECSOTES 2
BT WOOD PRESERVATIVES
RT--TARS CREST GATES 1 BT HYDRAULIC GATES CREST PIERS (SPILLWAYS)
use SPILLWAY CREST PIERS CRETACEOUS PERIOD BT MESOZOIC ERA
NT LOWER CRETACEOUS EPOCH
UPPER CRETACEOUS EPOCH
RT--CALCAREOUS ROCKS MARL

CREEP PROPERTIES (Con.)
--TENSILE STRENGTH

GEVASOES 12

NOTE: Fissures in the mass of a glacier or snow field RT-GLACIAL FEATURES GLACIAL GEOLOGY GLACIERS --ICE SNOW CREVASSES (LEVEES) use LEVEE FAILURES CRIB WALL COFFERDAMS 1 2
BT COFFERDAMS
DAMS
RT CRIB WALLS CRIBBING CRIB WALL TYPE RETAINING WALLS 2
use CRIB WALLS CRIB WALLS 2
NOTE: Gravity type walls composed
of frames of timber or precast
concrete, laid horizontally
upon one another, forming cells
which are filled with earth or
broken rock
UF CRIB WALL TYPE RETAINING WALLS
BT RETAINING WALLS
WALLS WALLS CRIB WALL COFFERDAMS CRIBBING SHORING TIMBER CONSTRUCTION CRIBBING 2
RT CRIB WALL COFFERDAMS
CRIB WALLS TIMBER CONSTRUCTION CRITERIA RITERIA 3 6 RT BUILDING CODES EVALUATION --STANDARDS CRITERIA (DESIGN) 1 use DESIGN CRITERIA CRITICAL CIRCLE 2
NOTE: Sliding surface of a
soil mass for which the factor
of safety is a minimum
UF SLIP CIRCLE
RT CRITICAL SLOPE
CRITICAL SURFACE
FRICTION CIRCLE METHOD
--GRAPHICAL METHODS
SAFETY PACTOR SAFETY FACTOR SIMPLIFIED METHOD OF SLICES SLICES METHOD SLIDING -- SLOPE STABILITY ANALYSIS CRITICAL DENSITY 2
use CRITICAL VOID RATIO CRITICAL DEPTH RT--CRITICAL PLOW
CRITICAL SLOPE (HYDRAULICS)
CRITICAL VELOCITY
ENERGY GRADIENT
--FLUID MECHANICS
HYDRAULIC GRADIENTS HYDRAULICS
SPILLWAY CAPACITY
STILLING BASINS
SUBCRITICAL FLOW
SUPERCRITICAL FLOW
--WATER SURFACE PROFILES CRITICAL DEPTH FLOW use CRITICAL FLOW

1 2

CREVASSES

CRITICAL DEPTH FLUMES BT FLUMES (WATER CONVEYANCE STRUCTURES) CRITICAL FLOW ATTICAL FLOW 1
UF CRITICAL DEPTH FLOW
BT FLOW
FLUID FLOW
NT SUBCRITICAL FLOW SUPERCRITICAL FLOW
CRITICAL DEPTH
CRITICAL SLOPE (HYDRAULICS)
CRITICAL VELOCITY FLOW PATTERNS FROUDE NUMBER -GAS FLOW HYDRAULIC JUMP LAMINAR FLOW
--LIQUID FLOW ORIFICE FLOW PIPE FLOW REYNOLDS NUMBER SINGLE PHASE FLOW STANDING WAVES (WATER) STEADY PLOW STREAM FLOW TRANSIENT FLOW TRANSITION FLOW TURBULENT FLOW -UNSTEADY FLOW WATER WAVE PILE-UP CRITICAL FREQUENCY 2

NOTE: Frequency at which maximum or minimum amplitudes of excited waves occur
BT FREQUENCY
RT AMPLITUDE
--VIBRATIONS --WAVES CRITICAL GRADIENTS 1 2
NOTE: Hydraulic gradient at
which the intergranular
pressure in a mass of cohesionless soil is reduced to zero by
the upward flow of water
BT GRADIENTS
HYDRAULIC GRADIENTS BACKFILL SEEPAGE CRITICAL SLOPE (HYDRAULICS) QUICKSAND SAND BOILS SEEPAGE PRESSURE CRITICAL HEIGHT 2
NOTE: Maximum height at which a vertical or sloped bank of soil will stand unsupported under a given set of conditions
RT BASE FAILURES
CRITICAL SLOPE
SAFETY FACTOR
SLOPE FAILURES
--SLOPE STABILITY ANALYSIS
STABILITY NUMBERS
TOE FAILURES TOE FAILURES CRITICAL LAYER 5
NOTE: Soil layer that is most significant in terms of trafficability
RT--MOBILITY
COUNTY TRANSPORTED TO THE TR -- SOIL STRENGTH VEHICLE CONE INDEX CRITICAL PATH METHOD UF CPM BT OPERATIONS RESEARCH COST CONTROL FLOW CHARTS -- MANAGEMENT METHODS

CRITICAL VELOCITY

UF CRITICAL SPEED

BT VELOCITY

RT CRITICAL DEPTH CRITICAL PATH METHOD (Con.) PERT --PLANNING PROJECT CONTROL
--PROJECT MANAGEMENT
PROJECT PLANNING
SCHEDULING -CRITICAL FLOW
CRITICAL SLOPE (HYDRAULICS)
ENERGY GRADIENTS
--FLUID MECHANICS CRITICAL SLOPE 2 4
NOTE: Maximum angle with the
horizontal at which a sloped FREE FLOW HYDRAULIC GRADIENTS HYDRAULICS
PERMISSIBLE VELOCITY
SUBCRITICAL FLOW
SUPERCRITICAL FLOW norizontal at which a sloped bank of soil of a given height will stand unsupported BT SLOPES RT ANGLE OF REPOSE VELOCITY HEAD ANGLE OF REPOSE
BASE FAILURES
CRATER SLOPES
CRITICAL CIRCLE
CRITICAL HEIGHT
CRITICAL SURFACE
SAFETY FACTOR
SLOPE FAILURES
-SLOPE STABILITY ANALYSIS
THE STABILITY ANALYSIS CRITICAL VOID RATIO UF CRITICAL DENSITY
BT MECHANICAL PROPERTIES RATIOS VOID RATIO RT DILATANCY (SOILS) LIQUEFACTION (SOILS) TOE FAILURES QUICKSAND CRITICAL SLOPE (HYDRAULICS) CRONESE METHOD RONESE METHOD 2 3
use BENTONITE SLURRY METHOD NOTE: Slope (HYDRAULIUS) I
NOTE: Slope of channel which
sustains a given discharge at
a uniform and critical depth
RT CRITICAL DEPTH
--CRITICAL FLOW
CRITICAL GRADIENTS
CRITICAL VELOCITY
--FILLD FLOW CROSS BEDDING 2
UF CROSS STRATIFICATION
FALSE BEDDING RT BEDDING PLANES
--GEOLOGICAL INVESTIGATIONS --FLUID FLOW --FLUID MECHANICS CROSS-COUNTRY MOBILITY MAPS USE OFF-ROAD MOBILITY MAPS HYDRAULIC GRADIENTS --HYDRAULICS CROSS-COUNTRY MOBILITY MODELS
use MOBILITY MODELS CRITICAL SPEED use CRITICAL VELOCITY CROSS-COUNTRY MOVEMENT use OFF-ROAD MOBILITY RITICAL SURFACE 2
NOTE: Sliding surface assumed in a theoretical analysis of a soil mass for which the factor of safety is a minimum UF FAILURE PLANE
PLANE OF RUPTURE
SLIP SURFACE SURFACE OF FAILURE
SURFACE OF FAILURE
SURFACE OF FUTURE
SURFACE OF SLIDING
RT BASE FAILURES
COULOMBS THEORY
CRITICAL CIRCLE
CRITICAL SLOPE
CULMANNS METHOD
--DAM FAILURES CRITICAL SURFACE 2 CROSS-COUNTRY VEHICLES
use OFF-ROAD VEHICLES CROSS SECTIONS RT DRAWINGS CROSS STRATIFICATION use CROSS BEDDING CROWN CHARACTERISTICS (VEGETATION) UF CANOPY CLOSURE TREE CROWNS VEGETATION FACTORS VEGETATION STRUCTURE BT -- DAM FAILURES
-- GRAPHICAL METHODS
PONCELETS METHOD FORESTRY -FORESTS OPTICAL DENSITY
RAIN FORESTS
TREES
VEGETATION PONCELETS METHOD
SAFETY FACTOR
SLIDING
--SLOPE FAILURES
--SLOPE STABILITY ANALYSIS
STABILITY NUMBERS
TOE FAILURES
WEDGE METHOD VEGETATION DESCRIPTIONS VEGETATIVE COVER VISIBILITY CRUDE OIL 2 use PETROLEUM CRITICAL TRACTIVE PORCE BT TRACTIVE FORCES RT BED LOAD CRUSHED ROCK 2 use CRUSHED STONE -BEDS
-BOUNDARY LAYER
BOUNDARY SHEAR
CHANNEL STABILIZATION
OPEN CHANNEL FLOW
SALTATION
-SEDIMENT
-SEDIMENT TRANSPORT
SEDIMENT TRANSPORT MODELS
STREAM BEDS CRUSHED STONE 2 3 5
UF CRUSHED ROCK
BT GRANULAR MATERIALS STONES STONES

RT--AGGREGATES

BASE COURSES

COARSE AGGREGATES

CONCRETE AGGREGATES

COUNTERPORT DRAINS

ELNE AGGREGATES STREAM BEDS STREAM DEGRADATION FINE AGGREGATES STREAM EROSION -GRAVELS LIMESTONES MACADAM

CRUSHED STONE (Con.)
ROCK CRUSHERS
ROCK FLOUR
ROCK FRAGMENTATION CRYSTALLINE ROCKS (Con.) SCHIST RT CRYSTALS -- IGNEOUS ROCKS -- METAMORPHIC ROCKS --ROCKS STEEL WHEEL ROLLERS TRENCH DRAINS CRYSTALLIZATION 2 3
RT BLEEDING (CONCRETE)
CRYSTALS
--PREEZING CRUSHING OF ROCKS 2 3

UF ROCK CRUSHING

RT--COMMINUTION

FRACTURE OF SOLIDS

GRANULATION

GRINDING (COMMINUTION)

ROCK BLASTING

ROCK CRUSHERS

ROCK DURABILITY

BOCK PRACTURE PORTLAND CEMENT CLINKER RECRYSTALLIZATION SOLUBILITY WATER OF HYDRATION CRYSTALLOGRAPHY 2 3 NOTE: Study of the structure, shapes and cleavage planes of ROCK FRACTURE ROCK FRAGMENTATION crystals RADIOCRYSTALLOGRAPHY UF RADIOCRYSTALLOGRAPHY
ANISOTROPY
ATOMIC BONDS
CLAY MINERALOGY
CRYSTALS
ELECTRON MICROSCOPY SPALLING CRUSHING STRENGTH (CONCRETE)
use COMPRESSIVE STRENGTH
(CONCRETE) 3 4 ISOTROPY CRUSTACEA 7
BT AQUATIC ANIMALS
INVERTEBRATES
SHELLFISH LITHOLOGY MICRORADIOGRA PHY --MICROSCOPY MICROSTRUCTURE COPE PODS DAPHNIA --MINERALOGY SHRIMPS RT--AQUATIC MICROORGANISMS --MINERALS PETROFABRICS PETROGRAPHIC ANALYSIS PETROGRAPHY
--PHYSICAL GEOLOGY
--RADIOGRAPHY
RECRYSTALLIZATION -- PLANKTON THERMOPHILES ROCK ANALYSIS ROCK MECHANICS CRYOGENICS RYOGENICS 5
NOTE: Branch of physics dealing with very low temperature
RT--FREEZING
LOW TEMPERATURE
LOW TEMPERATURE TESTS SOLID STATE PHYSICS SPECTROSCOPIC ANALYSIS X RAY ANALYSIS X RAY DIFFRACTION -- TEMPERATURE RYSTALS 2 3 RT--CRYSTALLINE ROCKS CRYSTALLIZATION CRYSTALS THERMODYNAMICS CRYOLOGY CRYSTALLOGRAPHY ISOTROPY NOTE: Science which deals with ice in all its forms and its METAL FIBERS
--MINERALOGY effects
RT BEARING CAPACITY (ICE AND --MINERALS SNOW) COLD WEATHER OPERATIONS -- PHYSICAL GEOLOGY PIEZOELECTRICITY RECRYSTALLIZATION GLACIERS GLACIOLOGY SOLIDS --ICE ICE CORES X RAY ANALYSIS ICE LOADS ICE MECHANICS CUBES (ARMOR UNITS) NOTE: Precast concrete armor units UF STOLK CUBES BT ARMOR UNITS ICE SAMPLERS ICE SAMPLING PERIGLACIAL PHENOMENA PERMAFROST --POLAR REGIONS SNOW SNOW MECHANICS SUBARCTIC REGIONS CULICIDAE NOTE: Mosquitoes (order Diptera, family Culicidae) UF MOSQUITOES BT DIPTERA CRYPTOGAMS INSECTS INVERTEBRATES NOTE: Plants which do not pro-duce flowers or true seeds: RT-BENTHIC FAUNA LARVAE ferns, mosses, liverworts, and algae BT PLANTS (BOTANY) RT--ALGAE --FUNGI CULMANNS METHOD BT EARTH PRESSURE THEORIES
GRAPHICAL METHODS MOSSES SLOPE STABILITY ANALYSIS
COULOMBS THEORY
CRITICAL SURFACE
PONCELETS METHOD CRYSTALLINE ROCKS NOTE: Rock with minerals of crystalline forms BT ROCKS TRANSLATORY SLIDES WEDGE METHOD NT BASALT MARBLE

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CURING FILMS AND SHEETS (Con.)
  CULTURES
     NOTE: Any organic growth which
has been intentionally develop-
ed by use of a suitable food
and environment
                                                                                                                 RT--CONCRETE CURING
                                                                                                                     --CURING
                                                                                                                         CURING AGENTS
PROTECTIVE COVERINGS
      RT--ALGAE
BACTERIOLOGY
                                                                                                                         VAPOR BARRIERS
                                                                                                             CURING MEMBRANES 3
use CURING AGENTS
CURING FILMS AND SHEETS
         --FUNGI
--MICROBIOLOGY
              PLANT GROWTH
  CULVERTS 1 2 3 4 5
BT CONDUITS
DRAINAGE STRUCTURES
NT LOCK CULVERTS
                                                                                                             CURLING 3 4
                                                                                                              CURRENT DIRECTION OBSERVATIONS 1
      RT--BRIDGES
--CONCRETE PIPES
                                                                                                                  NOTE: Refers to stream
                                                                                                                     currents
T STREAM FLOW RECORDS
              CORRUGATED METAL PIPES
           -- DRAINS
             GUTTERS (PAVEMENTS)
HEADWALLS
                                                                                                                 URRENT METERS 1
NOTE: Usually measures fluid
                                                                                                              CURRENT METERS
          HIGHWAY EMBANKMENTS
--HIGHWAY STRUCTURES
--HIGHWAYS
                                                                                                                      velocity
GLOCESTER CURRENT METER
                                                                                                                         NEYRPIC CURRENT METER
OTT CURRENT METER
              HORIZONTAL DRAINS
                                                                                                                 OTT CURRENT METER
PRICE CURRENT METER
BT MEASURING INSTRUMENTS
VELOCITY METERS (FLUIDS)
RT DISCHARGE MEASUREMENT
--DISCHARGE (WATER)
FLOW MEASUREMENT
FLOWMETERS
CACES
           OPEN DRAINS
--OUTLET WORKS
           --PIPES
ROAD DRAINAGE
             -ROADS
STORM SEWERS
           STREETS
--SURFACE DRAINAGE
                                                                                                                      --GAGES
                                                                                                                         -GAGES
RIVEH CURRENTS
STREAM GAGES
STREAM GAGING STATIONS
STREAM VELOCITY
  CUP SAMPLERS 2
UF SPIRAL SLOT SAMPLERS
BT EXPLORATION SAMPLERS
SAMPLERS
SOIL SAMPLERS
RT SLIT TUBE SAMPLERS
                                                                                                                        -VELOCITY
VELOCITY DISTRIBUTION
                                                                                                                      --WATER CURRENTS
WATER MEASUREMENT
           CONCRETE PRODUCTS
ASPHALT CURB MACHINES
GUTTERS (PAVEMENTS)
  CURBS
                                                                                                             CURRENT VELOCITY 1 5
use OCEAN CURRENT VELOCITY
STREAM VELOCITY
                                                                                                             CURRENT VELOCITY OBSERVATIONS 1
use STREAM FLOW RECORDS
              STREETS
  CURING
                                                                                                             CURRENTS 1
NOTE: Use of a more specific term is recommended; consult the terms listed below AIR CURRENTS
BOUNDARY CURRENTS
      NT ATMOSPHERIC PRESSURE STEAM
                 CURTNO
            -CONCRETE CURING
ELECTRIC CURING
MOIST CURING
-STEAM CURING
                                                                                                                         DENSITY CURRENTS
          AUTOCLAVING
CEMENT SOIL STABILIZATION
--COMPACTION TESTS
                                                                                                                         EDDIES
                                                                                                                         INTERNAL CURRENTS
LAKE CURRENTS
                                                                                                                        LANE CURRENTS
LITTORAL CURRENTS
MASS TRANSPORT CURRENTS
OCEAN CURRENTS
OFFSHORE CURRENTS
RIP CURRENTS
RIP PLE MARKS
         --CONCRETES
CURING AGENTS
CURING FILMS AND SHEETS
DEHYDRATION
         DEHYDRATION
DRYING
--HARDENING (MATERIALS)
--HYDRATION
INFRARED HEATING
                                                                                                                        RIVER CURRENTS
RUNNING WATERS
SEDIMENT DISCHARGE
TURBIDITY CURRENTS
             MEMBRANE FABRICATION
                                                                                                                        VORTICES
WATER CURRENTS
WIND-INDUCED CURRENTS
CURING AGENTS 2 3 5
UF CURING COMPOUNDS
CURING MEMBRANES
MEMBRANES (CURING)
RT--CONCRETE CURING
                                                                                                            CURTAIN DRAINS 1 2
use INTERCEPTING DRAINS
         --CONCRETES
                                                                                                            CURTAIN GROUTING
                                                                                                                use GROUT CURTAINS
            CURING FILMS AND SHEETS
RETARDANTS (CONCRETE)
                                                                                                            CURTAIN WALLS 1 3
BT WALLS
RT--DAMS
CURING COMPOUNDS
    JRING COMPOUNDS 2 5
                                                                                                                    -- MASONRY
CURING FILMS AND SHEETS
UP CURING MEMBRANES
MEMBRANES (CURING)
                                                                                                                       SEEPAGE CONTROL
                                                                                                                       UNDERSEEPAGE CONTROL
```

CURTAINS 2 3
NT GROUT CURTAINS
FT BURIED MEMBRANES
DAM UNDERSEE PAGE IMPERVIOUS BLANKETS IMPERVIOUS LININGS UNDERSEEPAGE CONTROL CURVE FITTING 1 2 6
NOTE: Process of finding a
curve that passes through or
near a group of plotted points,
indicating their general trend
RT CORRELATION TECHNIQUES
--FORECASTING
LEAST SOURCES METHOD LEAST SQUARES METHOD STATISTICAL DISTRIBUTIONS TIME SERIES ANALYSIS CURVED BEAMS 3 4
UF CIRCULAR BEAMS
BT BEAMS (SUPPORTS)
STRUCTURAL MEMBERS -- CONCRETE BEAMS CONTINUOUS BEAMS I BEAMS CURVES INVES 1

AT AREA CAPACITY CURVES
DRAFT-STORAGE CURVES
DRAWDOWN CURVES
FLOW DURATION CURVES
FREQUENCY CURVES
MASS CHEVES MASS CURVES RECESSION CURVES
RT--GRAPHICAL METHODS CUSHION BLOCKS (PILE DRIVING)
RT PILE DRIVING JSPS 1 NOTE: Crescent shaped indenta-tions on beach sands RT BEACH SANDS CUT SLOPES use EXCAVATED SLOPES CUTBACK ASPHALT 2 5 CUTOFF TRENCHES 1 2
use IMPERVIOUS CUTOFFS CUTOFF WALLS 1 2
use IMPERVIOUS CUTOFFS CUTOFFS (IMPERVIOUS) 1
use IMPERVIOUS CUTOFFS CUTOFFS (RIVERS) 1 use RIVER CUTOFFS JTS 2 5 use EXCAVATION CUTS CUTTERHEAD DREDGES 1
BT DREDGES CUTTHROAT FLUMES JTTHROAT FLUMES 1
BT FLUMES (WATER CONVEYANCE
STRUCTURES) CUTTING JTTING 3
UF JET PIERCING METHOD
RT ABRASION
--COMMINUTION
GRINDING (MATERIAL REMOVAL) CUTTING BLADES JTTING BLADES 5
RT AGRICULTURE
BULLDOZERS
--EARTH HANDLING EQUIPMENT

-- EXCAVATORS

CUTTING BLADES (Con.)
PLOWS SCRAPERS
--SHEAR EQUIPMENT
--SHEAR STRENGTH (SOILS)
SOIL CUTTING TILLAGE TINES CUTTING (SOILS) 5 use SOIL CUTTING CYANOPHYTA 7
UF BLUE GREEN ALGAE
BT ALGAE
AQUATIC ALGAE PLANTS (BOTANY)

RT--AQUATIC MICROORGANISMS
--AQUATIC PLANTS
SOIL ALGAE CYBERNETICS 6 7
NOTE: Study of kinds of communication and control systems in human beings and in machines
RT ADAPTIVE SYSTEMS
AUTOMATA THEORY
AUTOMATION
BLONICS PIONICS COMMUNICATION THEORY -- COMPUTERS -- CONTROLLERS CONTROL THEORY
FEEDBACK
FEEDBACK CONTROL
INFORMATION THEORY
MAN MACHINE SYSTEMS PROCESS CONTROL SYSTEMS ENGINEERING CYCLIC LOADS 2 3 4
use ALTERNATIVE LOADS
REPETITIVE LOADS CYCLING NUTRIENTS 7
NOTE: Movement of nutrients
from the nonliving (abiotic)
through the living (biotic)
parts of the environment and
back to the abiotic parts
UF NUTRIENT CYCLING
BT NUTRIENTS
RT BALANCE OF NATURE
--ENERGY BUDGET
FOOD CHAINS
PRIMARY PRODUCTIVITY PRIMARY PRODUCTIVITY
SECONDARY PRODUCTIVITY CYCLONES 1
NOTE: Meteorological storms
UF LOW PRESSURE AREAS
NT HURRICANES
--TROPICAL CYCLONES TYPHOONS RT ANTICYCLONES ATMOSPHERIC PRESSURE GUSTS -- PRECIPITATION (METEORLOGY)
TORNADOES WEATHER WEATHER PATTERNS -- WIND (METEOROLOGY) CYCLONITE use RDX CYCLOTRIMETHYLENETRINITRAMINE 4 CYLINDER GATES 1 BT HYDRAULIC GATES

CYLINDERS

TLINDERS 2 3 4 NT BURIED CYLINDERS

CYLINDERS (Con.)
CONCRETE CYLINDERS
RT CYLINDRICAL SHELLS
--TANKS (CONTAINERS)

CYLINDRICAL SHELLS 2 3 4
BT SHELLS (STRUCTURAL FORMS)
STRUCTURAL FORMS
ET BARREL SHELLS
--CYLINDERS
--DOMES (STRUCTURAL FORMS)

CYLINDRICAL WAVES 2 4
NOTE: Waves whose equiphase
surfaces form a family of
coaxial cylinders
BT WAVES

D CRACKING CRACKING 3
BT CONCRETE CHACKING
CRACKING (FRACTURING)
RT--CONCRETE SLABS
CONCRETE SURFACES D-LOADS (RIGID PIPES) 5
NOTE: Three-edge-bearing test
strength of pipe
BT LOADS (PORCES)
RT MATERIALS TESTING -- PIPES STRENGTH OF MATERIALS DACRON (TRADEMARK) use POLYESTER FIBERS DAIRIES AIRIES 3 RT BARNS DAIRY BUILDINGS DAIRY BUILDINGS BT BUILDINGS FARM BUILDINGS RT BARNS DAIRIES DAM ABUTMENTS 1 2 3
BT ABUTMENTS
RT ABUTMENT SEEPAGE
-- DAM DESIGN DAM FOUNDATIONS -- DAMS AM BREACHES 1 2 3 4
UF BREACHES (DAMS)
BT DAM FAILURES
FAILURES
RT CRACKING (FRACTURING)
DAM STABILITY DAM BREACHES -- DAMS EARTHQUAKE DAMAGE FLOOD DAMAGE FLOOD WAVES -- FLOODS OVERTOPPING RUPTURING DAM CONSTRUCTION 1 2 3
BT CONSTRUCTION
NT ARCH DAM CONSTRUCTION
CONCRETE DAM CONSTRUCTION
EARTH DAM CONSTRUCTION
GRAVITY DAM CONSTRUCTION
ROCKFILL DAM CONSTRUCTION
BUCKET CONVEYORS
--COFFERDAMS
--CONSTRUCTION CONTROL -- CONSTRUCTION CONTROL -- DAM DESIGN DAM FOUNDATION PREPARATION DAM FOUNDATIONS DAM SITES -- DAMS DIVERSION STRUCTURES DIVERSION TUNNELS DIVERSION WORKS -- EXCAVATION IMPERVIOUS CUTOFFS RESERVOIR CONSTRUCTION -- SITE PREPARATION (CONSTRUCTION) SPREADERS DAM CRESTS 1 2 3 RT-- DAM DESIGN OVERFLOW OF DAMS SPILLWAY CAPACITY DAM DESIGN 1 2 3 BT DESIGN STRUCTURAL DESIGN

NT ARCH DAM DESIGN CONCRETE DAM DESIGN

ESIGN (Con.) EARTH DAM DESIGN GRAVITY DAM DESIGN ROCKFILL DAM DESIGN DAM DESIGN RT-- BLANKETS DAM ABUTMENTS
-- DAM CONSTRUCTION
DAM CRESTS
DAM FOUNDATIONS DAM SITES DAM STABILITY DAM UNDERSEEPAGE -- DAMS DESIGN FLOOD
-- DRAINS
FREEBOARD GELATIN MODELS ICE LOADS IMPERVIOUS BLANKETS IMPERVIOUS BLANKETS
IMPERVIOUS CUTOFFS
RELIEF WELLS
SEEPAGE CONTROL
SEEPAGE CONTROL DESIGN
SEEPAGE PRESSURE
-- SPILLWAYS
STRESS ANALYSIS
UNDERSEEPAGE CONTROL
UPLIFT PRESSURE
-- WATER PRESSURE -- WATER PRESSURE DAM FACINGS 1 RT BOULDERS COBBLES -- EARTH DAMS -- EROSION CONTROL FETCH -- RIPRAP HIPRAP SLOPE PROTECTION SOIL CEMENT STEEL PLATES WATER WAVE ACTION WATER WAVE ENERGY WATER WAVE HEIGHT DAM FAILURES 1 2 3 4
BT FAILURES
NT DAM BREACHES
RT BASE FAILURES
BLOWOUTS BURROWING ANIMALS
CONSTRUCTION CONTROL
-CRACKING (FRACTURING)
CRITICAL SURFACE DAM FOUNDATIONS
- DAM PERFORMANCE
DAM STABILITY
DAM UNDERSEEPAGE -- DAMS DETERIORATION DISASTERS EARTHQUAKE DAMAGE EMBANKMENT CRACKING FOUNDATION FAILURES FOUNDATION FAILUI
-- LEAKAGE
LEVEE FAILURES
OVERFLOW OF DAMS
OVERTOPPING
PIPING (SEEPAGE)
RAPID DRAWDOWN
RUPTURING
SAND BOLLS SAND BOILS SLIDES
SLIDING
SLOPE FAILURES
SLOPE STABILITY
SOIL CREEP
SOIL EROSION
SPILLWAY CAPACITY
TENSION CRACKS
TOE FAILURES

UPLIFT PRESSURE

DAM FOUNDATION PREPARATION 2
UF FOUNDATION PREPARATION (DAMS)
RT--DAM CONSTRUCTION
DAM FOUNDATIONS DAM SITES (Con.)
DAM SITE SELECTION PROJECT PLANNING PROJECT PLANNING
RESERVOIR SITES
-- SITE PREPARATION (CONSTRUCTION)
SUBSURFACE EXPLORATION
TERRAIN ANALYSIS
-- TOPOGRAPHY -- DAMS -- FOUNDATION CONSTRUCTION - GROUTING
IMPERVIOUS CUTOPFS
-- SITE PREPARATION (CONSTRUCTION) DAM FOUNDATIONS 1 2 3
BT FOUNDATIONS
RT DAM ABUTMENTS
-- DAM CONSTRUCTION DAM STABILITY 1 2 3 4 BT STABILITY T STABILITY
STRUCTURAL STABILITY
T BASE FAILURES
CONSTRUCTION CONTROL
DAM BREACHES
- DAM DESIGN
- DAM PAULURES
DAM FOUNDATIONS
- DAM INSTRUMENTATION
- DAM INSTRUMENTATION -- DAM CONSTRUCTION
-- DAM DESIGN
-- DAM FAILURES
DAM FOUNDATION PREPARATION
DAM SITES DAM STABILITY - DAMS -- EMBANKMENT FOUNDATIONS ENGINEERING GEOLOGY -- DAMS
EMBANKMENT STABILITY
EXTERNAL FORCES
-- PORE PRESSURE
SAFETY FACTOR
SEEPAGE
SEEPAGE PRESSURE
SLOPE FAILURES
-- SLOPE PROTECTION
SLOPE STABILITY
-- SLOPE STABILITY
ANALYSIS
TOE FAILURES -- DAMS GROUTING IMPERVIOUS CUTOFFS LEVEE FOUNDATIONS ROCK FOUNDATIONS SEEPAGE CONTROL UNDERSEE PAGE CONTROL DAM INSTRUMENTATION 1 2 3 NT CONCRETE DAM INSTRUMENTA-TION
EARTH DAM INSTRUMENTATION
ROCKFILL DAM INSTRUMENTATION DAM UNDERSEEPAGE BT SEEPAGE UNDERSEEPAGE 1 2 ACCELEROMETERS
-- DAM PERFORMANCE
DAM STABILITY
DAM UNDERSEEPAGE TT-CURTAINS
--DAM DESIGN
--DAM FAILURES
--DAM INSTRUMENTATION
--DAM PERFORMANCE -- DAMS GALLERIES HORIZONTAL MOVEMENT DEVICES INCLINOMETERS -- MAINTENANCE OBSERVATION WELLS DAMS DRAINAGE BLANKETS EARTH DAM SEEPAGE FLOW NETS
GROUT CURTAINS
IMPERVIOUS BLANKETS
IMPERVIOUS CUTOFFS -- PIEZOMETERS SETTLEMENT REFERENCE POINTS VERTICAL MOVEMENT DEVICES MOUND DRAINS PIEZOMETERS PIPING (SEEPAGE) RELIEF WELLS DAM PERFORMANCE 1 2 3

NT ARCH DAM PERFORMANCE
CONCRETE DAM PERFORMANCE
EARTH DAM PERFORMANCE
GRAVITY DAM PERFORMANCE
ROCKFILL DAM PERFORMANCE
RT--CRACKING (FRACTURING)
--DAM FAILURES
--DAM INSTRUMENTATION
DAM UNDERSEEPAGE
--DAMS RETROGRESSIVE EROSION ROCKFILL DAM SEEPAGE TOE DRAINS TRENCH DRAINS MAGE 1 2 3 4 5
NT AMMUNITION DAMAGE
EARTHQUAKE DAMAGE
FIRE DAMAGE
FLOOD DAMAGE DAMAGE -- DAMS -- LEAKAGE -- MAINTENANCE
OBSERVATION WELLS
PIPING (SEEPAGE)
PORE PRESSURE MEASUREMENT RADIATION DAMAGE RUNWAY DAMAGE WIND DAMAGE ABRASION SAFETY SAND BOILS AGING AVALANCHES SEEPAGE LOSSES SETTLEMENT REFERENCE POINTS AVALANCHES
-- CHEMICAL ATTACK
-- CORROSION
-- CRACKING (FRACTURING)
-- DEFLECTION
-- DEFCRMATION
-- DEGRADATION
-- DEGRADATION -- SLIDES DAM SITE SELECTION 1 2
BT SITE SELECTION
RT DAM SITES
-- DAMS DESTRUCTION
-- DETERIORATION GEODETIC SURVEYS
-- SUBSURFACE EXPLORATION
TOPOGRAPHIC SURVEYS DISASTERS DISINTEGRATION -- DURABILITY
-- EROSION DAM SITES 1 2 6
BT BUILDING SITES
RT-DAM CONSTRUCTION
--DAM DESIGN -- EXPLOSION EFFECTS
-- FAILURE (MECHANICS)
FATIGUE (MATERIALS)
-- FROST ACTION
-- INJURIES DAM FOUNDATIONS

E (Con.)
RADIATION EFFECTS
RADIOACTIVE CONTAMINATION DAMAGE DAM ABUTMENTS
DAM BREACHES
-- DAM CONSTRUCTION DAMS SETTLEMENT RECORDS DAM CRESTS --DAM DESIGN STAINS SUBSIDENCE DAM FACINGS -- DAM FAILURES WARPAGE DAM FOUNDATION PREPARATION
DAM FOUNDATIONS
-- DAM INSTRUMENTATION
-- DAM PERFORMANCE
DAM SUME SET FORMANCE WEATHERING (GEOLOGY) DAMPER VALVES 1 BT VALVES RT--PNEUMATIC VALVES DAM SITE SELECTION DAM SITES DAM STABILITY DAM UNDERSEEPAGE DAMPING 1 2 3 4 7
NT VIBRATION DAMPING
RT--ABSORPTION
APERIODIC WAVES DAM UNDERSEPAGE
DEBRIS BARRIERS
DESIGN FLOOD
DIKES (EMBANKMENTS)
DISCHARGE LINES
DIVERSION STRUCTURES
DIVERSION TUNNELS
-- DIVERSION WORKS
-- ELECTRIC POWER
EMBANKMENTS
ENGINEERING GEOLOGY
EQUILITING RESERVOINE APERIODIC WAVES
BAFFLE PLATES
DAMPING CAPACITY
-- DYNAMIC LOADS
DYNAMIC RESISTANCE
DYNAMIC RESPONSE
DYNAMIC STABILITY ENERGY ABSORPTION HYSTERESIS EQUALIZING RESERVOIRS FACINGS -- INSULATION
IMTERNAL FRICTION
RESONANT FREQUENCY
-- RETARDANTS -- FILLS FISH BARRIERS FISH PASSAGES FISHWAYS SHOCK ABSORPTION SOIL DYNAMICS FLOOD CONTROL -- STABILITY STILLING WELLS -- FLOW CONTROL FREEBOARD VISCOSITY WAVE ATTENUATION GRAVEL BLANKETS
HYDRAULIC ENGINEERING
HYDROELECTRIC PLANTS
HYDROELECTRIC POWER DAMPING CAPACITY BT MECHANICAL PROPERTIES
RT-DAMPING
DYNAMIC MODULUS OF ELASTICITY ICE LOADS - IMPOUNDMENTS -- LOCKS (WATERWAYS)
LOW HEAD
MASS CONCRETE
MAXIMUM PROBABLE FLOOD
-- OUTLET WORKS
OVERPALLS INTERNAL FRICTION VISCOSITY DAMPNESS 3 use MOISTURE MMS 1 2 3 4
UF BARRAGES (DAMS)
RIVER WEIRS
WEIRS (RIVERS)
NT-- ARCH DAMS OVERFLOW OVERFLOW OF DAMS OVERTOPPING PENSTOCKS PONDING
RESERVOIR DESIGN
RESERVOIR SURVEYS
-- RESERVOIRS BRACED COFFERDAMS BUTTRESS DAMS CELLULAR COFFERDAMS CELLULAR COFFERDAMS
CHECK DAMS
-- COFFERDAMS
-- CONCRETE DAMS
CRIB WALL COFFERDAMS
DIVERSION DAMS
DOUBLE WALL COFFERDAMS
EARTH COFFERDAMS
-- EARTH DAMS
POREBAY DAMS
GRAVITY DAMS
HYDRAULIC FILL DAMS
LANDSLIDE DAMS
MASONRY DAMS -- RESERVOIRS
-- REVETMENT
RIVER CLOSURES
RIVER REGULATION
RIVER TRAINING STRUCTURES
SEDIMENT CONTROL
SHAFT SPILLWAYS
SLUICES
SPILLWAY APPROACHES
SPILLWAY CAPACITY
SPILLWAY CREST PIERS
-- SPILLWAYS -- SPILLWAYS TAILWATER MASONRY DAMS MOVABLE DAMS WASHOUTS WATER CONTROL
-- WATER STORAGE
-- WATER SUPPLY MOVABLE DAMS
MULTIPLE ARCH DAMS
NAVIGATION DAMS
PRESTRESSED DAMS
ROTE TO DAMS
ROCKPILL COFFERDAMS
ROCKPILL DAMS
SINGLE WALL COFFERDAMS
SUBMERIED DAMS
BACKLATER WATER SURFACE NOTE: Genus of minute fresh-water entomostracan crustaceans BACKWATER AQUATIC ANIMALS CRUSTACEA CANALIZATION
- CHECK STRUCTURES
CHUTE SPILLWAYS
- CIVIL ENGINEERING INVERTEBRATES PLANKTON

-- CLOSURES CONTROL STRUCTURES CURTAIN WALLS

ZOOPLANKTON

DARCY- WEISBACH EQUATION BT RESISTANCE EQUATIONS RT CHEZY EQUATION - CHEZY EQUATION
- DISCHARGE COEFFICIENTS
DISCHARGE MEASUREMENT
- DISCHARGE (WATER)
HEAD LOSSES MOODY RESISTANCE DIAGRAMS OPEN CHANNEL FLOW PIPES REYNOLDS NUMBER UNIFORM FLOW DARCYS EQUATION 1 2 3 use DARCYS LAW DARCYS LAW 1 2 3
UF DARCYS EQUATION
RT COEFFICIENT OF PERMEABILITY
-- DISCHARGE (WATER) -- FLOW -- GROUNDWATER -- GROUNDWATER FLOW HEAD LOSSES HYDRAULIC CONDUCTIVITY
-- HYDRAULIC GRADIENTS INFILTRATION RATE LAMINAR FLOW -- PERMEABILITY -- PERMEAMETERS POROUS MEDIA RELIEF WELL THEORY -- SEEPAGE TRANSMISSIVITY WELL THEORY DATA 5 6

NOTE: Use of a more specific term is recommended; consult the terms listed below CLIMATOLOGICAL DATA DATA ACQUISITION DATA PERCESSING DATA REDUCTION DATA REPUTIVAL DATA RETRIEVAL DESIGN DATA EXPERIMENTAL DATA FIELD DATA HYDROLOGIC DATA INFORMATION METEOROLOGICAL DATA SOIL DATA TABLES (DATA) TERRAIN DATA TRAFFICABILITY DATA DATA ACQUISITION 5
RT AIRPHOTO INTERPRETATION
--COMPUTERS
--DATA PROCESSING
DATA REDUCTION
DATA RETRIEVAL INFORMATION SYSTEMS
INTELLIGENCE -- PHOTOINTERPRETATION DATA ACQUISITION (COMPUTER)
use DATA COLLECTION SYSTEMS DATA ANALYSIS use DATA PROCESSING DATA COLLECTION SYSTEMS 1 6
UF DATA ACQUISITION (COMPUTER)
RT COMPUTER APPLICATIONS
--DATA PROCESSING
DATA TRANSMISSION SYSTEMS
INFORMATION SYSTEMS
--RECORDING INSTRUMENTS
TELEMETRY SYSTEMS DATA COLLECTIONS

T-- STATISTICAL ANALYSIS

DATA HANDLING 1 2 3 4 5 6 7 use DATA PROCESSING DATA PROCESSING 1 2 3 4 5
UF AUTOMATIC DATA PROCESSING
DATA HANDLING
ELECTRONIC DATA PROCESSING DATA REDUCTION
DATA RETRIEVAL
DATA STORAGE
DATA TRANSMISSION
REAL TIME DATA PROCESSING
AUTOMATION BATCH PROCESSING (DATA) BATCH PROCESSING (DATA)
COMPUTER APPLICATIONS
--COMPUTER PROGRAMMING
COMPUTER PROGRAMS
COMPUTER STORAGE DEVICES
--COMPUTER SYSTEMS HARDWARE
--COMPUTER SYSTEMS PROGRAMS
COMPUTER SYSTEMS PROGRAMS -- COMPUTERIZED SIMULATION
-- COMPUTERS DATA ACQUISITION
DATA COLLECTION SYSTEMS
DATA PROCESSING EQUIPMENT
DATA REDUCTION DATA TRANSMISSION SYSTEMS DIGITAL COMPUTERS DIGITAL RECORDING DOCUMENTATION ELECTRONIC EQUIPMENT INFORMATION RETRIEVAL INFORMATION SYSTEMS INFORMATION THEORY PROGRAMMING LANGUAGES PUNCHED TAPES SYMBOLS SYSTEMS ENGINEERING TABLES (DATA) TAPES DATA PROCESSING EQUIPMENT
NT ANALOG COMPUTERS
--COMPUTERS DIGITAL COMPUTERS
HYBRID COMPUTERS TABULATING EQUIPMENT
RT--COMPUTER SYSTEMS HARDWARE
--DATA PROCESSING DATA REDUCTION 1 2 3 4 5 6 7
NOTE: Rearranging or reducing the
quantity of the experimentally
obtained data to permit the more
rapid extraction of conclusions
BT--DATA PROCESSING RT-- CHARTS COMPUTER APPLICATIONS
-- COMPUTER PROGRAMMING
-- COMPUTER PROGRAMS
-- COMPUTERS DATA ACQUISITION
DATA PROCESSING
DATA RETRIEVAL
DATA TRANSMISSION SYSTEMS
EXPERIMENTAL DATA
GRABULES GRAPHICAL METHODS INFORMATION SYSTEMS STATISTICAL ANALYSIS -- TABLES (DATA) DATA RETRIEVAL DATA PROCESSING COMPUTER APPLICATIONS -COMPUTERS COMPONERS
TATA ACQUISITION
DATA REDUCTION
DATA STORAGE
DATA THANSMISSION
INFORMATION RETRIEVAL
INFORMATION SYSTEMS
INTELLIGENCE -- INTELLIGENCE DATA STORAGE 6
BT DATA PROCESSING
BT COMPUTER APPLICATIONS

A STORAGE (Con.)
--COMPUTER STORAGE DEVICES
--COMPUTERS
DATA RETRIEVAL
DATA TRANSMISSION DEAD STORAGE 1
BT WATER STORAGE
RT AREA CAPACITY CURVES
PONDAGE DATA STORAGE RESERVOIR STORAGE RESERVOIR SURVEYS HOLOGRAPHY MAGNETIC TAPES MICROFILM MICROFORMS RESERVOIRS UNDERGROUND WATER STORAGE -- WATER LEVELS MICROPHOTOGRAPHY
PUNCHED CARDS
PUNCHED TAPES
SLIDES (PROJECTION)
-- TAPES EAERATION 1 7
NOTE: Process of removing air from a liquid in which it is dissolved
BT SEPARATION
RT AERATION
AERATORS
CHEMICAL REMOVAL (MATTER DEAERATION DATA SYSTEMS 5 6
use INFORMATION SYSTEMS CHEMICAL REMOVAL (WATER TREATMENT) DEOXYGENATION --WATER TREATMENT DATA TRANSMISSION 1
BT DATA PROCESSING
RT AUTOMATION
CODING EBRIS 1 2
NOTE: Any material moved by flowing water
RT ALLUVIUM
AVALANCHES
DEBRIS BARRIERS
DEBRIS BASINS
DEFRITUS CODING
COMPUTER APPLICATIONS
DATA RETRIEVAL
DATA STORAGE
DATA TRANSMISSION SYSTEMS
INFORMATION
MAGNETIC TAPES
MANUMENTAL MONITORING
PUNCHED TAPES
-- TABLES (DATA)
-- TAPES DETRITUS - EROSION LITTORAL DRIFT RUBBLE TELEMETRY TELEMETRY SYSTEMS DEBRIS BARRIERS UF DEBRIS TRAPS
BT BARRIERS
NT TRASHRACKS DATA TRANSMISSION SYSTEMS 6 ANALOG MODELS
ANALOG TO DIGITAL CONVERTERS DEBRIS ENTRANCE CHANNELS -- COMPUTERS -- COMPUTERS
DATA COLLECTION SYSTEMS
-- DATA PROCESSING
DATA REDUCTION
DATA TRANSMISSION
DIGITAL SYSTEMS
DIGITAL TO ANALOG CONVERTERS
TELEMETRY SYSTEMS -- INTAKE STRUCTURES
-- INTAKE TOWERS
INTAKE TRANSITIONS
PUMP INTAKES RETENTION DAMS SAND TRAPS SPILLWAY APPROACHES OT 7
NOTE: Dichlorodiphenyltrichloroethane
BT CHLORINATED HYDROCARBON
PESTICIDES DEBRIS BASINS RT DEBRIS DDT DEBRIS (RADIOACTIVE) use NUCLEAR DEBRIS PESTICIDES DECELERATION RT--DRAG RT HALF-LIFE DEAD LOAD TESTERS 2 4 ECIDUOUS TREES 7
NOTE: Trees which shed all their leaves at a certain season of the year and passing a period without leaves, e.g. oak, elm, NOTE: Hydraulic system in which an accurate pressure is obtained by balancing calibrated weights on a vertical piston of accurate DECIDUOUS TREES known area
BT MEASURING INSTRUMENTS
RT CALIBRATING beech BT PLANTS (BOTANY) DEAD LOADS TREES RT FORESTRY DEAD LOADS 1 2 3 4
BT LOADS (FORCES)
RT DEAD LOAD TESTERS
EXTERNAL FORCES
ICE LOADS
LIVE LOADS
STATIC LOADS DECISION MAKING 6
RT COMPUTER APPLICATIONS
COST ENGINEERING
COST SHARING
INPORMATION SYSTEMS MANAGEMENT PROBLEM SOLVING DEAD MAN ANCHORS 2 NOTE: Concrete blocks or beams embedded in soil to form an SCHEDULING SYSTEMS ENGINEERING embedded in soll to for anchorage ANCHOR BEAMS ANCHOR BLOCKS ANCHORS (STRUCTURES) ANCHOR PILES ANCHOR PLATES ANCHOR WALLS ANCHORED BULKHEADS ANCHORED TOWERS DECKS (BRIDGES) use BRIDGE DECKS DECOMPOSERS NOTE: Those organisms, usually bacteria or fungi, which participate in the breakdown of large molecules associated with organisms

The state of the s

DEEP FOUNDATIONS (Con.)
END BEARING PILE FOUNDATIONS
FRICTION PILE FOUNDATIONS
OFFSHORE PILE FOUNDATIONS DECOMPOSERS (Con.) BT BACTERIA FUNGI NT AEROBIC BACTERIA
-- ANAEROBIC BACTERIA
RT-- DECOMPOSING ORGANIC MATTER -- PILE FOUNDATIONS
RT BRIDGE FOUNDATIONS
-- CAISSONS -- PIERS (SUPPORTS) DECOMPOSING ORGANIC MATTER 7
BT ORGANIC MATTER
NT HUMUS
RT-- DECOMPOSERS UNDERWATER FOUNDATIONS DEEP OCEAN VEHICLES 1 6 -- DECOMPOSITION BATHYSCAPHES DEEP SUBMERSIBLES
RT DIVING
SUBMARINES DETERIORATION DETRITUS HYDROGEN SULFIDE ORGANIC WASTES
WATER POLLUTION SOURCES UNDERWATER VEHICLES DEEP SUBMERSIBLES DECOMPOSITION 2 6 7
NOTE: Breakdown of minerals and formation of new compounds by the action of chemical agents
NT BIODEGRADATION
RT AGING
-- CHEMICAL ATTACK use DEEP OCEAN VEHICLES DEP WATER WAVES 1

NOTE: Surface wave the length
of which is less than twice
the depth of the water

BT WATER WAVES DEEP WATER WAVES CLAY SHALES COMMINUTION DEEP-WELL PUMPING 1
BT PUMPING
RT DEEP WELL PUMPS -- CORROSION -- DECOMPOSERS -- DECOMPOSING ORGANIC MATTER
-- DEGRADATION DEEP WELL PUMPS 1 2
NOTE: Centrifugal pumps, operated by shafting from an electric motor at ground level, the pump being at the bottom of the bore--- DETERIORATION
-- DETERIORATION
-- DIGESTION (DECOMPOSITION)
DISINTEGRATION
FISSURES hole UF FRAGMENTATION GRANULATION TO BE TURBINE PUMPS
BT PUMPS
RT DEEP WELL PUMPING
DEEP WELLS (DEWATERING)
DEWATERING
DRAWDOWN GRINDING (COMMINUTION)
HALF-LIFE HYDROLYSIS OXIDATION RADIOACTIVE DECAY SLAKING SOLUBILITY WEATHERING (GEOLOGY) DEEP WELLS 1 2 NOTE: Wells sunk through shal-low impermeable strata in order to draw water from underneath BT WATER WELLS WELLS NT DEEP WELLS (DEWATERING) DECOMPRESSION 1 RT DIVING DECONTAMINATION 6 7
NT RADIATION DECONTAMINATION
RT- ABATEMENT
CLARIFICATION RT GAS WELLS OIL WELLS RECHARGE WELLS -- CONTAMINATION
-- DISPOSAL DEEP WELLS (DEWATERING) BT DEEP WELLS 1 2 DUST CONTROL ODOR CONTROL WATER WELLS -- POLLUTION POLLUTION ABATEMENT WELLS RT DEEP WELL PUMPS DEWATERING PURIFICATION -- SEPARATION -- DRAINAGE WELLS STERILIZATION DRAWDOWN HEADER PIPES WELL CASINGS DECORATING 3 RT--ARCHITECTURAL CONCRETE ARCHITECTURE CONCRETE FINISHES (HARDENED EPS (OCEANIC) 1 2
NOTE: Area of the ocean where
depth exceeds 3000 fathoms
RT DEPTH FINDERS
OCEAN BOTTOM
OCEAN ENGINEERING DEEPS (OCEANIC) CONCRETE)
--CONCRETE PRODUCTS DECOUPLING SCOUPLING 4
NOTE: Absorption of shock of an explosion
RT--EXPLOSIONS
HEAT SINKS
--NUCLEAR EXPLOSIONS
SHOCK ABSORPTION OCEANS SUBMARINE TOPOGRAPHY TRENCHES (OCEANIC) DEFINITIONS use GLOSSARIES DEEP BEAMS 3 4
BT BEAMS (SUPPORTS)
STRUCTURAL MEMBERS DEFLECTING WALLS 1 2 use DEFLECTORS DEFLECTION EFLECTION 1 2 3 4 5 6
NT PAVEMENT DEFLECTION
TIRE DEFLECTION DEEP FOUNDATIONS
BT FOUNDATIONS
NT CAISSON FOU FOUNDATIONS
CAISSON FOUNDATIONS
DRILLED PIER FOUNDATIONS

FLECTION (Con.)
RT--BENDING
BUCKLING (PILES) DEFLECTION CAMBER CONCRETE CRACKING
CONCRETE EXTENSIBILITY
-- CRACKING (FRACTURING) -- DAMAGE -- DEFORMATION DIFFRACTION
DISPLACEMENT
DISTORTION (STRUCTURAL)
EXTENSIBILITY FLEXURAL STRENGTH -- STRAINS
STRUCTURAL ANALYSIS
STRUCTURAL BEHAVIOR
-- STRUCTURAL STABILITY
TENSION CRACKS TORSTON WARPAGE DEFLECTOMETERS 2 use INCLINOMETERS DEFLECTORS 1 2
UP DEFLECTING WALLS
RT ATTENUATORS
BAFFLE PLERS
BAFFLE PLATES
BAFFLES
DIFFLESES -- DIFFUSERS -- VANES EFLOCCULANTS 2

NOTE: Agents that prevent fine soil particles in suspension from coalescing to form flocs UP DEFLOCCULATING AGENTS

RT COAGULANTS

DEFLOCCULATION
DISPERSANTS DEFLOCCULANTS DISPERSANTS FLOCCULANTS PHOSPHATES DEFLOCCULATING AGENTS
use DEFLOCCULANTS DEFLOCCULATION DEFLOCCULANTS DISPERSION (SOILS) FLOCCULATION
-- WET ANALYSIS EFORMATION 1 2 3 4 5 6

NOTE: Change in shape or dimensions of a body, resulting
from stress
NT ALLOWABLE SETTLEMENT
CONCRETE CREEP
CONCRETE DEPORMATION
--CONSOLIDATION (SOILS) DEFORMATION -- CREEP CREEP
DIPFERENTIAL SETTLEMENT
DISTORTION (STRUCTURAL)
EARTH DAM SETTLEMENT
ELASTIC DEFORMATION
FOUNDATION SETTLEMENT
INITIAL CONSOLIDATION
OVERCONSOLIDATION
PAVEMENT DEFORMATION
PILE SETTLEMENT PILE SETTLEMENT PLASTIC DEFORMATION PRECONSOLIDATION PRIMARY CONSOLIDATION REBOUND REBOUND
ROCK CREEP
--ROCK DEFORMATION
ROCKFILL DAM SETTLEMENT
SECONDARY CONSOLIDATION
--SETTLEMENT SOIL CREEP SOIL DEFORMATION SOIL SHRINKAGE SOIL SWELLING AGING BED LOAD -- DAMAGE

SUBSIDENCE

DEFORMATION (Con.)
TIRE DEFORMATION UNDERCONSOLIDATION VOLUME CHANGE BENDING BUCKLING CAMBER -- COMPRESSION -- DEFLECTION -- DEFORMATION GAGES
-- DISPLACEMENT EXTENSIBILITY EXTENSOMETERS -- FAILURE (MECHANICS)
-- MECHANICAL PROPERTIES
-- MODULUS OF ELASTICITY
-- MODULUS OF DEFORMATION RHEOLOGY -- SLIDES -- STIFFNESS -- STRAIN MEASURING INSTRUMENTS STRENGTH OF MATERIALS STRESS-STRAIN CURVES
--STRESS-STRAIN RELATIONS STRUCTURAL BEHAVIOR -- STRUCTURAL STABILITY -- TENSION TENSION CRACKS TIME- SETTLEMENT RELATIONSHIP TOPOLOGY TORSION WARPAGE DEFORMATION GAGES 1 2 5 BT MEASURING INSTRUMENTS NT BOREHOLE DEFORMATION GAGES RT--DEFORMATION DIAL GAGES
HORIZONTAL MOVEMENT DEVICES
PAVEMENT DEFORMATION
-- STRAIN GAGES VERTICAL MOVEMENT DEVICES DEFORMATION METHODS 3
BT COMPATIBILITY METHODS
STRUCTURAL ANALYSIS
NT UNIT DISPLACEMENT METHOD
RT ELASTIC ANALYSIS
-- ENERGY METHODS
-- MATRIX METHODS
STATICALLY INDETERMINATE
STRUCTURES
-- STIFFNESS METHODS DEFORMATION MODULUS use MODULUS OF DEFORMATION DEFORMATIONS (REINFORCING STEELS) 3
RT DEFORMED REINFORCEMENT DEFORMED REINFORCEMENT NOTE: Reinforcing material
(as deformed bars) with manufactured surface deformations
BT REINFORCING MATERIALS
REINFORCING STEELS RT DEFORMATIONS (REINFORCING STEELS) REINFORCING BARS EGRADATION 1 2 3 6 7 NOTE: Process in which the land surface is worn down DEGRADATION by erosion
BIODEGRADATION
STREAM DEGRADATION
THERMAL DEGRADATION RT AGGRADATION

DEIONIZATION 1 RT DEMINERALIZATION DEGRATION (Con.) -- DECOMPOSITION
-- DETERIORATION ION EXCHANGE WATER SOFTENING DISINTEGRATION -- EROSION DELAY PERIOD ELAY PERIOD 3 use PRESTEAMING PERIOD OXIDATION RADIATION EFFECTS SCOUR -- SEDIMENTATION DELETERIOUS SUBSTANCES STREAM EROSION STREAM BEDS NOTE: Includes silt, etc., in concrete material RT SILTS THERMAL RESISTANCE
--TRACTIVE FORCES
WEATHERING (GEOLOGY)
WIND EROSION DELONG PIERS 1 2
NOTE: Mobile wharf developed by
the Delong Engineering Company
BT MARINE STRUCTURES
TORILLING BARGES
OFFSHORE STRUCTURES DEGREE DAYS 1 2 3 5
NOTE: Cumulative difference be-TE: Cumulative difference between the average temperature and
32°F; difference is positive above
and negative below 32°F
AIR TEMPERATURE
EVAPOTRANSPIRATION
FREEZING INDEX
METTEOROLOGICAL DATA
--METTEOROLOGICAL FACTORS WHARVES DELTAIC DEPOSITS 1 2 BT ALLUVIUM GEOLOGICAL DEPOSITS ALLUVIAL FANS BRAIDED STREAM DEPOSITS DELTAS -- TEMPERATURE -- GRAVELS DEGREE OF COMPACTION 2
UF PER CENT COMPACTION
RT--COMPACTION CONTROL (SOILS)
COMPACTION (SOILS)
COMPACTION TEST FILLS
--COMPACTION TESTS
--DENSITY (MASS/VOLUME) LITTORAL DEPOSITS MARINE CLAYS SANDBARS -- SANDS SANDY SOILS -- SILTS -- SILTY SOILS -- CONFACTION TESTS
-- DENSITY (MASS/VOLUME)
-- FIGLD CONTROL TESTS (SOILS)
MAXIMUM DRY DENSITY
RELATIVE DENSITY DELTAIC PLAINS 1 2 BT PLAINS
RT ALLUVIAL MORPHOLOGY
ALLUVIAL PLAINS
DELTAS DEGREE OF CONSOLIDATION 2
UF PER CENT CONSOLIDATION
RT COERFICIENT OF CONSOLIDATION
--CONSOLIDATION (SOILS)
--CONSOLIDATION THEORY
--POME PRESSURE
TIME FACTORS FLOOD PLAINS DELTAS 1 2 7
NOTE: Alluvial deposits at the mouth of a river
BT TOPOGRAPHIC PEATURES
RT ALLUVIAL MORPHOLOGY
ALLUVIAL STREAMS TIME SETTLEMENT RELATIONSHIP DEGREE OF SATURATION 2
use PER CENT SATURATION -- ALLUVIUM BAYOUS COASTAL MORPHOLOGY
COASTAL PLAINS
--COASTAL TOPOGRAPHIC FEATURES DEHYDRATING 1 2 DEHYDRATION 1 2 3

UF DEHYDRATING

RT-- CHEMICAL REACTIONS
-- CONCRETE CURING
CONCRETE DRYING
CURING -- COASTS DELTAIC DEPOSITS
DELTAIC PLAINS
DEPOSITION
FLOOD PLAINS
FLUVIAL MORPHOLOGY
HID LINES DESICCATION DEWATERING MUD LUMPS -- DIFFUSION DRYING RIVER MOUTHS -- EVAPORATION HEAT TREATMENT -- SEDIMENT -- SEDIMENTATION HYDRATION -- MOISTURE SHORES STREAM DEGRADATION TRANSPIRATION DEICERS TIDAL MARSHES UP DEICING CHEMICALS
RT DEICING
FREEZE-THAW DURABILITY DEMAND (IRRIGATION SYSTEMS)
RT--IRRIGATION
IRRIGATION ENGINEERING
--IRRIGATION SYSTEMS
--IRRIGATION WATER
--SURFACE IRRIGATION -- ICE CONTROL ICE PREVENTION -- SALTS
SCALING (CONCRETE)
SCALING RESISTANT TESTS DEMINERALIZATION 1 2 RT CHEMICAL REMOVAL (WATER TREATMENT) DEICING 3
BT ICE CONTROL
RT DEICERS DEIONIZATION DESALTING -- HEATING DESALTING PROCESSES DISTILLATION ICE PORMATION
ICE PREVENTION -- EROSION FEEDWATER TREATMENT DEICING CHEMICALS use DEICERS

DENSILOGS DEMINERALIZATION (Con.)
ION EXCHANGE UF GAMMA DENSITY LOGS RADIOACTIVE LOGGING -- OSMOSIS WATER SOFTENING -- WATER TREATMENT T BOREHOLE LOGGING
-- DENSITY (MASS/VOLUME)
GAMMA PROBES
GAMMA RAYS DEMOLITION 4
RT AMMUNITION DAMAGE
ATOMIC DEMOLITION MUNITIONS
BLASTING AGENTS NUCLEAR LOGGING
3-D LOGGING
--UNIT WEIGHT DETERMINATION
WELL LOGGING DEMOLITION CHARGES DESTRUCTION DENSIMETERS 2 5 use DENSITOMETERS DYNAMITE -- EXPLOSIONS -- EXPLOSIVE CHARGES
-- EXPLOSIVES DENSITOMETERS 2 5 NOTE: Instruments for determin-ing densities UF DENSIMETERS SHAPED CHARGES DEMOLITION CHARGES 4
BT EXPLOSIVE CHARGES
RT ATOMIC DEMOLITION MUNITIONS
ATOMIC DEMOLITION MUNITIONS
STORAGE
BURSTING CHARGES PYCNOMETERS PYCNOMETERS
BT MEASURING INSTRUMENTS
SOIL DENSITY MEASURING
DEVICES
RT-DENSITY (MASS/VOLUME)
--UNIT WEIGHT DETERMINATION CONVENTIONAL WEAPONS DEMOLITION DETONATING CORD
- EXPLOSIVE ORDNANCE DISPOSAL
MINE COUNTERMEASURES
MUNITION BURSTS DENSITY CURRENTS BT WATER CURRENTS
RT DENSITY STRATIFICATION
SALT WATER INTRUSION
THERMAL GRADIENTS -- MUNITIONS
MUNITIONS INDUSTRY
-- MUNITIONS STORAGE
-- NUCLEAR WEAPONS TURBIDITY CURRENTS DENSITY DETERMINATION (SOILS)
use Unit WEIGHT DETERMINATION -- ORDNANCE SHAPED CHARGES DENSITY FLOW -- WARHEADS BT FLOW RT LIMNOLOGY -- WEAPONS RESERVOIR OPERATION
--- STRATIFICATION (WATER)
STRATIFIED FLOW
THERMAL STRATIFICATION DENDROLOGY NDROLOGY 5 7
use FORESTRY
FORESTS DENISON SAMPLERS DENSITY (MASS/VOLUME) 1
UF SPECIFIC VOLUME
SPECIFIC WEIGHT
UNIT WEIGHT
VOLUME WEIGHT
NT ATMOSPHERIC DENSITY
BULK DENSITY
--DRY DENSITY ON SAMPLERS 2
CORE BORING SAMPLERS
DOUBLE TUBE CORE BARRELS
ROTARY CORE BARRELS
SAMPLERS 1 2 3 4 5 SOIL CORE BARRELS SOIL SAMPLERS PITCHER SAMPLERS WES SAMPLERS RT -- DRY DENSITY
MAXIMUM DRY DENSITY DENITRIFICATION 7
NOTE: Change of nitrogenous com-pounds by certain bacteria in which free nitrogen is formed RT AMMONIA RELATIVE DENSITY ROCK DENSITY SATURATED DENSITY SNOW DENSITY SOIL DENSITY SUBMERGED DENSITY NITRITES NITROGEN CYCLE WET DENSITY ACOUSTIC PROPERTIES BUOYANCY DENSIFICATION BY BLASTING USE EXPLOSION COMPACTION 2 4 DEGREE OF COMPACTION DENSILOGS
DENSITOMETERS
DENSITY MEASUREMENT
ELECTRICAL PROPERTIES DENSIFICATION (SOILS)
UF SOIL DENSIFICATION
NT--COMPACTION (SOILS)
EXPLOSION COMPACTION GAS LAWS
INTERNAL FRICTION
MOISTURE- DENSITY RELATIONS
-- PERMEABILITY IMPACT COMPACTION
KNEADING COMPACTION
PRELOADING (SOILS)
PUDDLING
STATIC COMPACTION
TAMBLES -- POROSITY SPECIFIC GRAVITY STATIC COMPACTION
TAMPING
VIBRATORY COMPACTION
VIBROFLOTATION
RT-BEARING CAPACITY
--COMPRESSION STOKES LAW TURBIDITY -- UNIT WEIGHT DETERMINATION -- VOID RATIO VISCOSITY WEIGHT MEASUREMENTS -- CONSOLIDATION (SOILS)
DEWATERING DENSITY MEASUREMENT MECHANICAL SOIL STABILIZA-TION
PERMEABILITY (SOILS)
-- SOIL STABILIZATION
VOLUME CHANGE RT-DENSITY (MASS/VOLUME)
HYDROMETER ANALYSIS

WEIGHT MEASUREMENT

DEPOSITION (Con.)
SEDIMENTATION RATES
-- SEDIMENTOLOGY DENSITY STRATIFICATION 1
BT STRATIFICATION (WATER)
RT DENSITY CURRENTS SETTLING BASINS (SEDIMENT)
SETTLING BASINS (WASTES)
SHOALING -- RESERVOIRS STRATIFIED FLOW WATER PROPERTIES SOIL LAYERS
SOIL LENSES
STOKES LAW
STREAM DEGRADATION DENSITY TESTS (CONCRETE)
BT CONCRETE TESTS STREAMBED PROFILES DENSITY TESTS (SOILS) 2 5 use UNIT WEIGHT DETERMINATION DEPOTS (MILITARY) 4
use MILITARY DEPOTS DENTATED SILLS DEPTH AREA CURVES 1
RT DEPTH AREA-DURATION ANALYSIS
DISTRIBUTION PATTERNS NOTE: Component of stilling basin REHBOCK SILLS RT BAFFLES CHUTE BLOCKS FREQUENCY HYETOGRAPHS RAIN AND RAINFALL RAINFALL-RUNOFF RELATIONSHIPS SYNOPTIC ANALYSIS CONTROL STRUCTURES DROP STRUCTURES DROP STRUCTURES
END SILLS
ENERGY DISSIPATION
ENERGY DISSIPATORS (HYDRAU-LIC STRUCTURES) WEATHER PATTERNS DEPTH AREA- DURATION ANALYSIS DEPTH AREA CURVES
DISTRIBUTION PATTERNS
DURATION CURVES
FLOOD HYDROGRAPHS JET DIFFUSION -- OUTLET WORKS STILLING BASINS FLOW DURATION HYDROLOGIC DATA DEOXYGENATION MASS CURVES
RAIN AND RAINFALL
RAINFALL INTENSITY
RAINFALL RUNOFF RELATIONSHIPS BT SEPARATION RT DEAERATION DEPARTURE GEOMETRY NOTE: Interrelated geometrics of vehicle and departure from -- RUNOFF RUNOFF FORECASTING SYNOPTIC ANALYSIS obstacle
ANGLE OF DEPARTURE
(VEHICLES) DEPTH CHARGES 4
BT EXPLOSIVE CHARGES
RT CONVENTIONAL WEAPONS
-- NUCLEAR WEAPONS
SHAPED CHARGES
UNDERWATER ORDNANCE EXITING PERFORMANCE GEOMETRY T GEOMETRY
T APPROACH GEOMETRY
HYDROLOGIC GEOMETRY
- HYDROLOGIC GEOMETRY FACTORS
LAND-WATER INTERFACE
MICROGEOMETRY
- ROUGHNESS -- WEAPONS DEPTH FACTOR (SOILS)
RT-BEARING CAPACITY
FOUNDATION DEPTH
INFLUENCE CHARTS STREAM CROSSINGS -- SURFACE GEOMETRY SLOPE STABILITY DEPLETION NT GROUNDWATER DEPLETION RT CONSUMPTIVE USE -- DISCHARGE (WATER) DEPTH FINDERS 1 2 UF ACOUSTIC DEPTH FINDERS ACOUSTIC DEPTH FINDERS
BATHYMETERS
FATHOMETERS
SONIC DEPTH SOUNDERS
MEASURING INSTRUMENTS
BATHYMETRY
DEEPS (OCEANIC)
DEPTH RECORDERS (WATER)
HYDROGRAPHIC SURVEYS
NAVIGATION AIDS
OCEAN BOTTOM
SOUND WAVES
SOUNDING METHODS (WATER)
UNDERWATER ACOUSTICS
WAVE REFLECTION -- DRAWDOWN -- DRAWDOWN
RESERVOIR STORAGE
-- RESERVOIRS
WATER CONSUMPTION
-- WATER WELLS -- WITHDRAWAL DEPOSITION 1 2 RT AGGRADATION -- ALLUVIUM ANGLE OF DEPOSITION -- BEACHES BED LOAD BOTTOM SEDIMENT BRAIDED STREAMS COAGULATION DELTAS DEPTH FINDING RT-- NAVIGATION SOUNDING METHODS (WATER) DUNES
PLOOD PLAINS
-- GEOLOGICAL DEPOSITS
GLACIATION -- SURVEYING DEPTH RECORDERS (WATER) 1
BT RECORDING INSTRUMENTS
RT DENSITY CURRENTS
DEPTH FINDERS HYDROGEOLOGY LACUSTRINE DEPOSITS MINERAL DEPOSITS PETROFABRICS -- GAGES -- LAKES RESERVOIR SEDIMENTATION LIQUID LEVEL INDICATORS
- MEASURING INSTRUMENTS
- RESERVOIRS
SOUNDING METHODS (WATER)
STRATIFICATION (WATER)
WATER LEVEL INDICATORS SANDBARS -- SEDIMENT SEDIMENT CONCENTRATION -- SEDIMENTATION

DEPTH SOUNDING 1 2
use SOUNDING METHODS (WATER)

DERIAZ PUMP TURBINES 1
BT PUMP TURBINES
REVERSIBLE TURBINES
RT AXIAL FLOW
DRAFT TUBES
LOW HEAD
MIXED FLOW PUMPS

DERIAZ TURBINES 1
BT HYDRAULIC TURBINES
RT MIXED-FLOW TURBINES
REACTION TURBINES

DESALINATION 1 3 7 use DESALTING

DESALINATION PLANTS
use DESALTING PLANTS

DESALTING 1 3 7
NOTE: Removal of salt, as from water or soil
UP DESALINATION
SALINE WATER DEMINERALIZATION
SALT WATER CONVERSION
WATER CONVERSION
WATER DESALINATION
BT SEPARATION
RT DEMINERALIZATION
DESALTING PLANTS
SALINITY
SALT REMOVAL
- SALT WATER
SEA WATER

--WATER YIELD

DESALTING PLANTS 1
UF DESALINATION PLANTS
RT DESALTING
DESALTING PROCESSES

-- VAPORIZING
WATER CHEMISTRY
WATER PURIFICATION
WATER SOFTENING

DESALTING PROCESSES
DISTILLATION

DESALTING PROCESSES 1
RT DEMINERALIZATION
DESALTING
DESALTING PLANTS

DISTILLATION
DISTILLATION
DROFWISE CONDENSATION
ELECTRODIALYSIS
EVAPORATION RESERVOIRS
FLASH FREEZING

-- FREEZING ION EXCHANGE

DESERT DEPOSITS 2
BT GEOLOGICAL DEPOSITS
RT--AEOLIAN DEPOSITS
ARID REGIONS
BLOWING SAND OR DUST
DESERTS
DURSE

DESERTS 2 5 6 BT ENVIRONMENTS REGIONS DESERTS (Con.)
RT AEOLIAN SANDS
ARID REGIONS
CLIMATIC ANALOGS
-- CLIMATOLOGY
DESERT DEPOSITS
PLAYAS
TOPOGRAPHIC FEATURES

DESICCANTS 7
NOTE: Chemical agents that may be used to remove moisture from plants or insects causing them to wither and die RT ABSORBERS (MATERIALS)
-- ABSORPTION
ADSORBENTS
CHEMCONTROL
DESICCATION
-- PEST CONTROL
-- PESTICIDES

DESICCATED SOILS 2
RT ARID REGIONS
DESICCATION
DRYING
FISSURED CLAYS
SHRINKAGE CRACKING
SHRINKAGE LIMIT
SOIL SHRINKAGE
--WATER CONTENT (SOILS)

DESICCATION 1 2 3 7
BT SEPARATION
RT--ADSORPTION
CALCIUM CHLORIDES
DEHYDRATION
DESICCANTS
DESICCATES
DRYING
--EVAPORATION
EVAPORATION
SHRINKAGE CRACKING
TRANSPIRATION

ESIGN 1 2 3 4 5
MT AIRPIELD DESIGN
AIRPORT DESIGN
ARCH DAM DESIGN DESIGN ASPHALT MIX DESIGN
CANAL DESIGN
CONCRETE DAM DESIGN
-- DAM DESIGN EARTH DAM DESIGN ELASTIC DESIGN ELASTIC DESIGN
EMBANKMENT DESIGN
FLEXIBLE PAVEMENT
DESIGN (AIRPIELDS)
FLEXIBLE PAVEMENT
DESIGN (HIGHWAYS)
FLOATING FOUNDATION DESIGN - FOUNDATION DESIGN GEOMETRIC DESIGN GRAVITY DAM DESIGN GYRATORY METHOD DESIGN (PAVEMENTS) HELIPORT DESIGN IRRIGATION DESIGN LANDING FIELD DESIGN LANDING MAT DESIGN LEVEE DESIGN LIMIT DESIGN MAT FOUNDATION DESIGN MEMBRANE DESIGN MISSILE PACILITY DESIGN MODEL DESIGN PAVEMENT DESIGN PILE FOUNDATION DESIGN PLASTIC DESIGN RIGID PAVEMENT DESIGN (AIRFIELDS) RIGID PAVEMENT DESIGN (HIGHWAYS)

DESIGN (Con.) ROAD DESIGN DESIGN PLOOD (SPILLWAY) 1
use SPILLWAY DESIGN FLOOD ROCKPILL DAM DESIGN
SEEPAGE CONTROL DESIGN
SHELTER DESIGN
SPRING DESIGN
-- STRUCTURAL DESIGN
TIRE DESIGN DESIGN FLOW 1 BT FLOW RT ABATEMENT BACKWATER PROFILES CANALS TRACK DESIGN TRANSMISSION DESIGN DESIGN DATA DESIGN STORM TUNNEL DESIGN UNDERGROUND STRUCTURE FLOOD PEAKS HYDRAULIC DESIGN - HYDROGRAPHS
LOW-FLOW AUGMENTATION
- POLLUTION ABATEMENT
SPILLWAY CRESTS
SPILLWAY DESIGN FLOOD
- SPILLWAYS DESIGN -- VEHICLE DESIGN WELL DESIGN

MUTOMOTIVE ENGINEERING

BUILDING CODES

-- CIVIL ENGINEERING

-- CONCEPTS SUPERCRITICAL FLOW
--WATER SURFACE PROFILES
WATER TUNNELS (TESTING) -- CONSTRUCTION CONSTRUCTION
CONTRACTS
DESIGN CRITERIA
DESIGN DATA
DESIGN IMPROVEMENTS
DESIGN MODIFICATIONS
DESIGN PRACTICES
DESIGN STANDARDS
ENGINEERING SERVICES
LAADS (ROBERS) DESIGN IMPROVEMENTS CHANGE ORDERS CONVERSION CORRECTION -- DESIGN DESIGN MODIFICATIONS
DESIGN PRACTICES
DESIGN STANDARDS
ECONOMICS -- LOADS (FORCES)
-- MATHEMATICAL MODELS
MECHANICAL ENGINEERING
MILITARY ENGINEERING ECONOMIES INNOVATION -- MODELS RELIABILITY SAFETY DESIGN MODIFICATIONS SAFETY PACTOR
-- SPECIFICATIONS
STRENGTH OF MATERIALS
-- STRENGTH THEORIES
STRUCTURAL ENGINEERING
STRUCTURAL MODELS RT CHANGE ORDERS CONVERSION CORRECTION -- DESIGN
DESIGN IMPROVEMENTS
DESIGN STANDARDS DESIGN CRITERIA DESIGN PRACTICES THE BUILDING CODES
-- DESIGN
DESIGN DATA
DESIGN DATA
DESIGN STANDARDS
DESIGN STANDARDS UP CRITERIA (DESIGN)
NT HYDRAULIC DESIGN CRITERIA
RT BUILDING CODES
COST ENGINEERING -- DESIGN DESIGN DATA DESIGN STANDARDS STRUCTURAL DESIGN STRUCTURAL DESIGN DESIGN STANDARDS 1
BT STANDARDS
RT BUILDING CODES
--CONTRACTS 1 2 5 6 DESIGN DATA 1 2 5
RT BUILDING CODES
-- DESIGN COST ENGINEERING -- DESIGN CRITERIA DESIGN FLOW DESIGN PRACTICES DESIGN STANDARDS -- DESIGN
DESIGN CRITERIA
DESIGN DATA
DESIGN IMPROVEMENTS
DESIGN MODIFICATIONS
DESIGN PRACTICES
-- LOADS (FORCES)
-- SAFETY
SAFETY ENGINEERING
SAFETY FACTOR
SPECIFICATIONS -- FIELD INVESTIGATIONS
-- FIELD TESTS
-- LOADS (FORCES) MAPS
SAFETY FACTOR
SPECIFICATIONS
STRENGTH OF MATERIALS
STRUCTURAL DESIGN DESIGN STORM 1
RT DESIGN FLOOD
DESIGN FLOW
DISTRIBUTION PATTERNS
FLOOD HYDROGRAPHS
FLOOD DEAKS
FLOOD WAVES
-- HYDROGRAPHS
RAIN AND BAYMENT DESIGN FLOOD 1
UF STANDARD PROJECT FLOOD
RT-- DAM DESIGN
-- DAMS PLOOD CONTROL
PLOOD DAMAGE
FLOOD HYDROGRAPHS
FLOOD PAKS
PLOOD WAVES
FLOODS RAIN AND RAINFALL SNOWMELT - HYDROGRAPHS
MAXIMUM PROBABLE FLOOD STORMS SYNTHETIC HYDROLOGY PEAK DISCHARGE PEAK FLOODS

PROBABLE MAXIMUM PRECI-PITATION REGIONAL FLOODS SPILLWAY CAPACITY

DESIGN WAVE 1
NOTE: In the design of harbors,
etc., the type or types of
wave selected as having the
characteristics against which DETENTION RESERVOIRS
BT IMPOUNDMENTS
LAKES
RESERVOIRS CHECK DAMS FLOOD CONTROL protection is desired
RT HARBORS
-- WATER WAVES FOREBAYS MULTIPURPOSE RESERVOIRS PONDAGE
RESERVOIR CAPACITY
RESERVOIR OPERATION
RESERVOIR STORAGE DESILTING 1
RT--CHANNEL IMPROVEMENT
DESILTING WORKS
DREDGING
RESERVOIR SEDIMENTATION DETERGENTS -- SEDIMENT CONTROL
-- SEDIMENTATION NOTE: Chemical compounds that act to clean surfaces and to keep foreign matter in solution SETTLING BASINS (SEDIMENT) or suspension
RT-AIR ENTRAINING AGENTS
CHEMICAL WASTES
-FOAMING AGENTS
SOAPS DESILTING WORKS 1
RT DESILTING
-- SEDIMENTATION DESORPTION 7
NOTE: Reverse process of adsorption whereby adsorbed matter is removed from the SOIL CONTAMINATION SURFACTANTS WATER POLLUTION SOURCES WETTING AGENTS adsorbent BT SEPARATION DETERIORATION 1 2 3 4 5 6 7
NOTE: Permanent impairment of
physical properties
NT ASPHALT DETERIORATION
CONCRETE DETERIORATION
PAVEMENT DETERIORATION
ET ABBASION RT- - ABSORPTION -- ADSORPTION DESTRUCTION 4
RT ACCIDENTS
-- DAMAGE ABRASION AGING AGING
-- CHEMICAL ATTACK
-- COMMINUTION
-- CORROSION
-- CRACKING (FRACTURING)
-- DAM FAILURES
-- DAMAGE DEMOLITION DETACHED BREAKWATERS BT BREAKWATERS RT MOBILE BREAKWATERS -- DECOMPOSING ORGANIC MATTER
-- DECOMPOSITION
-- DEGRADATION DETAILED EXPLORATION 2 BT EXPLORATION SUBSURFACE EXPLORATION DISINTEGRATION ETECTION 4 6
NT--ACCUSTIC DETECTION
EXPLOSIVE DETECTION
LAND MINE DETECTION
MISSILE DETECTION
NUCLEAR DETECTION
NUCLEAR EXPLOSION DETECTION
BADAR DETECTION -- DURABILITY DETECTION -- EROSION -- FAILURE (MECHANICS)
-- FAILURES GRINDING (COMMINUTION)
OXIDATION -- PROTECTIVE COATINGS
PROTECTIVE COATINGS (LANDING MATS)
PROTECTIVE COATINGS RADAR DETECTION SEISMIC DETECTION SONAR DETECTION TARGET RECOGNITION (MEMBRANES) RUSTING ACOUSTIC IMAGING DETECTORS -- WEAR WEATHERING (GEOLOGY) INSPECTION WARNING SYSTEMS DETERMINANTS 6 ETERMINANTS O
BT ALGEBRA
LINEAR ALGEBRA
RT LINEAR ALGEBRAIC EQUATIONS
--MATRICES (MATHEMATICS) ETECTORS 1 2 3 4 5 7
NT--ACOUSTIC DETECTORS
ACOUSTIC MINE DETECTORS ACOUSTIC MINE DETECTORS
HYDROPHONES
INFRARED DETECTORS
MAGNETIC MINE DETECTORS
MINE DETECTORS
- ORDNANCE DETECTORS
UNDERWATER OBJECT LOCATORS
RT--CONTROL EQUIPMENT
- DETECTION
GEOPHONES DETERMINATION OF STRESS 3 4
use STRESS MEASUREMENT DETONATING CORD 4
UF PRIMACORD (TRADEMARK)
RT BURSTING CHARGES
DEMOLITION CHARGES GEOPHONES -- MEASURING INSTRUMENTS
-- RADIATION MEASURING INSTRU-DETONATORS -- EXPLOSIVE CHARGES PETN - RECORDING INSTRUMENTS
- REMOTE SENSING INSTRUMENTS
SEISMOGRAPHS DETONATION RT- - BLASTING BLASTING AGENTS COMBUSTION SEISMOMETERS -- SENSORS -- CRATERING TRACKING TECHNIQUES TRANSDUCERS

WARNING SYSTEMS WAVE MEASUREMENT

DEWATERING 1 2 3 7
BT SEPARATION
RT ARTIFICIAL FREEZING
COLLECTOR PIPES
DEEP WELL PUMPS
DEEP WELLS (DEWATERING)
DEHYDRATION
--DENSIFICATION (SOILS)
DRAIN TILES
--DRAINAGE DETONATION (Con.) DETONATORS -- EXCAVATION -- EXPLOSIONS
-- EXPLOSIVE EXCAVATION
EXPLOSIVES
FLAME PROPAGATION HOLE SPRINGING OVEREXCAVATION ROCK EXCAVATION DRAIN TILES
- DRAINAGE
DRAINAGE CANALS
DRAINAGE ENGINEERING
DRAINAGE PIPES
- DRAINAGE STRUCTURES
DRAINAGE SYSTEMS SAFETY -- SEISMIC SURVEYS DETONATION WAVES 4
BT ELASTIC WAVES
MECHANICAL WAVES -- DRAINS DRAWDOWN WAVES RT-- SHOCK WAVES DRYING ELECTROOSMOSIS **DETONATORS** -- EVAPORATION
-- EXCAVATION UF BLASTING CAPS
RT AMMUNITION COMPONENTS
CAPS (EXPLOSIVES)
CONVENTIONAL WEAPONS EXTRACTION FILTERS -- FILTERS
FILTRATION
-- FLUID PILTERS
-- FOUNDATION CONSTRUCTION
-- GROUNDWATER CONTROL
(EXCAVATION) DETONATING CORD DETONATION EXPLODING WIRES
EXPLOSIVE TRAINS
FUZES (ORDNANCE)
PRIMERS (EXPLOSIVES)
-- WEAPONS GROUNDWATER DEPLETION GROUNDWATER ELEVATION GROUNDWATER HYDRAULICS GROUNDWATER LOWERING DETRITUS 1 2 7

NOTE: Non-dissolved product
of disintegration or wearing away of organic or inorganic matter
RT BED LOAD
COLLUVIUM
DESRIS HEADER PIPES
--MINE WATERS
-- PERMEABILITY TESTS
PUMPING -- PUMPS SAND DRAINS SEEPAGE CONTROL SOIL STABILIZATION BY -- DECOMPOSING ORGANIC MATTER -- EROSION FREEZING -- SUBDRAINS ORGANIC WASTES SANDS SUMPS TILE DRAINS WELL THEORY WELLPOINTS -- SEDIMENT DEUTERIUM NOTE: Hydrogen isotope, the nucleus of which contains -- WELLS one neutron and one proton
and is therefore about twice
as heavy as the nucleus of
normal hydrogen which has
only one proton
T ISOTOPES DIABASE use DOLERITE NOTE: Changes brought about in sediments that result from sedimentary processes, but excluding metamorphism UP LITHIFICATION
RT CEMENTATION DIAGENESIS DEVIATOR STRAIN BT STRAINS AXIAL STRAIN DEVIATOR STRESS LATERAL STRAIN - GEOLOGICAL DEPOSITS
RECRYSTALLIZATION
SEDIMENTARY ROCKS
SEDIMENTATION -- TRIAXIAL SHEAR TESTS DEVIATOR STRESS 2 -- SEDIMENTOLOGY BT STRESSES
BT STRESSES
RT AXIAL STRESS
COMPRESSIVE STRESS
CONFINING PRESSURE
DEVIATOR STRAIN
MOHR CIRCLE DIAGONAL TENSION 3 BT TENSION RT--SHEAR PROPERTIES 3 4 AGRAMS 1 2 3 4 5 6 7
MT ARROW DIAGRAMS
BAR GRAPHS
RT--CHARTS DIAGRAMS PRINCIPAL STRESS SHEAR STRESS TENSILE STRESS -- TRIAXIAL SHEAR TESTS DRAWINGS -- GEOMETRY TRIAXIAL STRESS GRAPHICAL METHODS NOMOGRAPHS DEVONIAN PERIOD 2 BT PALEOZOIC ERA DIAL GAGES DEW POINT 1 3 RT-CLIMATOLOGY HUMIDITY NOTE: Sensitive measuring instruments in which small displacements of a plunger are indicated by a pointer moving over a circular scale UF DIAL INDICATORS

DIAL GAGES (Con.) BT GAGES MEASURING INSTRUMENTS RT-- DEFORMATION GAGES EXTENSOMETERS -- SHEAR EQUIPMENT STRAIN GAGES -- TRANSDUCERS DIAL INDICATORS
use DIAL GAGES DIALYSIS NT ELECTRODIALYSIS RT DESALTING PROCESSES DIAMETRAL COMPRESSION TESTS (ROCK) TESTS (ROCK)

LEAST TESTS

AND TESTS (ROCK)

TESTS (ROCK)

TESTS (ROCK)

TESTS (ROCK) TENSILE STRENGTH (ROCK) UNIAXIAL TENSION TESTS DIAMOND BIT CORE BARRELS CORE BORING SAMPLERS
ROCK SAMPLERS ROTARY CORE BARRELS SAMPLERS DIAMONDS DRILL BITS DIAMONDS BT GEM MINERALS MINERALS DIAMOND BIT CORE BARRELS GRAPHITE -- RUBIES SYNTHETIC RUBIES DIASTROPHISM 2 NOTE: Processes of deformation of the earth's crust except volcanism BT GEODYNAMICS RT-- EARTH MOVEMENTS EARTH MOVEMENTS

EARTHQUAKES

FAULTS AND FAULTING (GEOLOGY)

FIDLDS AND FOLDING (GEOLOGY)

FRACTURES AND FRACTURING

(GEOLOGY) (GEOLOGY)
-- GEOLOGIC STRUCTURES JOINTS AND JOINTING (GEOLOGY)
TECTONICS THRUSTS AND THRUSTING (GEOLOGY) DIATOMACEOUS EARTH 1 2 3 NOTE: Extremely porous earth
composed essentially of the
sliceous skeletons of diatoms
UF DIATOMITES
RT DIATOMS
--FILLERS -- FILTERS -- FLUID FILTERS HEAT RESISTANT MATERIALS MARINE DEPOSITS -- SILICA -- SILICA MINERALS SILICON -- WATER TREATMENT DIATOMITES USE DIATOMACEOUS EARTH DIATOMS IATOMS 7
NOTE: One-celled, microscopic algae in the class Bacillariaceae, with siliceous walls
BT ALGAE AQUATIC MICROORGANISMS

DIATOMS (Con.) CHRYSOPHYTA
PLANTS (BOTANY)
AQUATIC ALGAE
DIATOMACEOUS EARTH -- FLUID FILTERS DICTIONARIES 5 6
UF POLYGLOT DICTIONARIES
RT DOCUMENTATION GAZETTEERS GLOSSARIES ENCYCLOPEDIAS LANGUAGES MACHINE TRANSLATING DIELDRIN BT CHLORINATED HYDROCARBON PESTICIDES INSECTICIDES PESTICIDES RT CARCINOGENS DIELECTRIC CONSTANT 3 5
use DIELECTRIC PROPERTIES ELECTRIC PROPERTIES 3 5 6
UF DIELECTRIC CONSTANT
BT ELECTRICAL PROPERTIES DIELECTRIC PROPERTIES RT-- ELECTROMAGNETIC RADIATION -- SOIL PROPERTIES DIELECTRICS 2 6 NOTE: Nonconductors of electricity
RT CAPACITORS
--ELECTRICAL PROPERTIES
ELECTRICAL RESISTIVITY DIESEL PILE HAMMERS 2
BT CONSTRUCTION EQUIPMENT
PILE DRIVING EQUIPMENT PILE HAMMERS DIFFERENCE EQUATIONS 1 2 6
BT NUMERICAL ANALYSIS
RT--DIFFERENTIAL EQUATIONS
FINITE DIFFERENCE METHOD DIFFERENTIAL ACTING PILE HAMMERS 2
BT CONSTRUCTION EQUIPMENT
PILE DRIVING EQUIPMENT
PILE HAMMERS DIFFERENTIAL CALCULUS 6 IFFEHENTIAL CALCULUS

BT CALCULUS

REAL VARIABLES

RT DIPFERENTIAL EQUATIONS

INTEGRAL CALCULUS

OPERATIONAL CALCULUS OPTIMIZATION DIFFERENTIAL EQUATIONS NOTE: Equations containing
rivatives or differentials
UF DIFFERENTIAL OPERATORS
BT REAL VARIABLES
NT BOUNDARY VALUE PROBLEMS
EQUATIONS OF MOTION LAPLACE EQUATION
LINEAR DIFFERENTIAL EQUATIONS -- NONLINEAR DIFFERENTIAL EQUATIONS ORDINARY DIFFERENTIAL EQUATIONS -- PARTIAL DIFFERENTIAL EQUATIONS VAN DER POL DIFFERENTIAL
EQUATION
RT CALCULUS
CALCULUS OF VARIATIONS CONTROL THEORY
DIFFERENCE EQUATIONS
DIFFERENTIAL CALCULUS
FOURIER ANALYSIS

INTEGRAL EQUATIONS

DIFFERENTIAL EQUATIONS (Con.)
KELVIN FUNCTIONS
LAPLACE TRANSPORMATION
--NUMERICAL ANALYSIS
NUMERICAL DIFFERENTIATION
NUMERICAL INTEGRATION VECTOR ANALYSIS DIFFERENTIAL GEOMETRY 6
UF NON-EUCLIDEAN GEOMETRY BT GEOMETRY RI-- ANALYTIC GEOMETRY TENSOR ANALYSIS VECTOR ANALYSIS DIFFERENTIAL OPERATORS 6
use DIFFERENTIAL EQUATIONS DIFFERENTIAL PRESSURE 1
BT PRESSURE
RT PITOT TUBES
PRESSURE DISTRIBUTION
PRESSURE GRADIENTS
-- PRESSURE MEASUREMENT VENTURI METERS DIFFERENTIAL SETTLEMENT BT DEFORMATION SETTLEMENT ALLOWABLE SETTLEMENT ALLOWABLE SETTLEMENT FLEXIBLE FOUNDATIONS FOOTING ROTATIONS FOUNDATION CONDITIONS FOUNDATION FAILURES FOUNDATION PERFORMANCE FOUNDATION SETTLEMENT SETTLEMENT ANALYSIS DIFFERENTIAL THERMAL ANALYSIS 2 3 UF DTA
BT THERMAL ANALYSIS
RT CLAY MINERALOGY -- MINERALOGY DIFFRACTION 1 2 3 4 6
NT ELECTRON DIFFRACTION
WATER WAVE DIFFRACTION
WAVE DIFFRACTION X RAY DIFFRACTION RT-- ATTENUATION DEFLECTION
OPTICAL PROPERTIES
RAY TRACING
- REFLECTION REFLECTIVITY -- REFRACTION SOUND TRANSMISSION DIFFUSE DOUBLE LAYER 2
use DOUBLE LAYER THEORY DIFFUSE ION LAYER use DOUBLE LAYER THEORY FFUSERS 1 6
NT SUPERSONIC DIFFUSERS
RT--AIR CONDITIONING EQUIPMENT
BAFFLE PIERS
BAFFLES
BAFFLES
BAFFLES DEFLECTORS -- DIFFUSION

FLOW DEFLECTORS JET DIFFUSION SPRAYERS VENTILATORS

FICKIAN DIFFUSION

DIFFUSION

FUSION 1 2 3 6 7
OTE: Random molecular metion by
which matter is transported
r ATMOSPHERIC DIFFUSION
ELECTROOSMOSIS

-

DIFFUSION (Con.)
REVERSE OSMOSIS
TURBULENT DIFFUSION RT- - ABSORPTION -- ADSORPTION AIR-WATER INTERPACES BAPPLES BAPPLES
BROWNIAN MOVEMENT
CIRCULATION
DEHYDRATION
- DIFFUSERS
- DIFFUSIVITY
DISPERSION DISTILLATION DRYING EQUILIBRIUM -- EVAPORATION EXTRACTION
-- PLOW
HEAT TRANSFER
ION EXCHANGE
JETS (FLUIDS)
MIXING PERCOLATION
-- PERMEABILITY SALT VELOCITY METHOD
(DISCHARGE MEASUREMENT)
-- SEPARATION
SUBLIMATION DIFFUSIVITY 1 2 3
NOTE: Property of a substance indicative of the rate at which a thermal disturbance, as a rise in temperature, will be transmitted through the substance
NT THERMAL DIFFUSIVITY
RT-- AQUIFERS
-- DIFFUSION -- DIFFUSION
HYDROLOGIC PROPERTIES -- PERMEABILITY
POROUS MEDIA
-- RHEOLOGICAL PROPERTIES
SOLUBILITY SPECIFIC YIELD
STORAGE COEFFICIENT
--THERMAL PROPERTIES
TRANSMISSIVITY DIGESTERS NOTE: In a waste water treatment plant, a closed tank that de-creases the volume of solids and stabilizes raw sludge by bacterial action
UF DIGESTION TANKS
RT-- DIGESTION (DECOMPOSITION) DIGESTION (DECOMPOSITION) 7
NOTE: Biochemical decomposition
of organic matter
NT SLUDGE DIGESTION
RT ANAGROBIC PROCESSES BIODEGRADATION BIOLOGY DECOMPOSITION DIGESTERS DIGESTION TANKS use DIGESTERS DIGGING 3 4 use EXCAVATION DIGITAL COMPUTERS 1 2 3 4 5 6 7 AL COMPUTERS 1 2 3 4 5
COMPUTERS
DATA PROCESSING EQUIPMENT
ANALOG COMPUTERS
ANALOG TO DIGITAL CONVERTERS
CALCULATORS

COMPUTATION
COMPUTER PROGRAMMING
-- DATA PROCESSING
DIGITAL RECORDING
DIGITAL SYSTEMS
DIGITAL TO ANALOG CONVERTERS

DIGITAL COMPUTERS (Con.)
HYBRID COMPUTERS
PROGRAMMING LANGUAGES DIGITAL FILTERS 6
BT ELECTRIC FILTERS
FILTERS DIGITAL RECORDING 1 6
RT ANALOG TO DIGITAL CONVERTERS
CODING CODING
-- DATA PROCESSING
DIGITAL COMPUTERS
DIGITAL SYSTEMS
MAGNETIC RECORDING
-- RECORDING INSTRUMENTS DIGITAL SIMULATION 3 4 6 7
BT COMPUTERIZED SIMULATION
SIMULATION
RT ANALOG SIMULATION
HYBRID SIMULATION
MATHEMATICAL MODELS DIGITAL SYSTEMS 1 6
UF BINARY SYSTEMS (DIGITAL)
RT ANALOG MODELS
ANALOG TO DIGITAL CONVERTERS
DATA TRANSMISSION SYSTEMS DATA TRANSISSION SYSTEMS DIGITAL COMPUTERS DIGITAL RECORDING DIGITAL TO ANALOG CONVERTERS ELECTRIC ANALOGS HYBRID COMPUTERS DIGITAL TO ANALOG CONVERTERS 1 6
UF CONVERTERS (DIGITAL TO ANALOG)
RT ANALOG COMPUTERS
- ANALOG MODELS
ANALOG TO DIGITAL COMPUTERS
ANALOG TO DIGITAL CONVERTERS
DATA TRANSMISSION SYSTEMS
DIGITAL COMPUTERS
DIGITAL SYSTEMS
HYBRID COMPUTERS HYBRID COMPUTERS DIGITIZERS USE ANALOG TO DIGITAL CONVERTERS DIKES (EMBANKMENTS) 1 2 BT EMBANKMENTS RT COASTAL ENGINEERING -- COFFERDAMS -- DAMS -- DIVERSION WORKS DUMPED FILLS FILLS FLOOD PROTECTION KES (GEOLOGY) 2 NOTE: Vertical igneous intrusions across the structure of the DIKES (GEOLOGY) SUTTOUNDING TOCK
BT INTRUSIONS (GEOLOGY)
RT BASALT DOLERITE LACCOLITH
SILLS (GEOLOGY)
STRUCTURAL GEOLOGY DIKES (TRAINING STRUCTURES) NOTE: Obstructions of stone, timber, earth or some other material constructed from bank of a channel and projecting into it for training flow UF SPUR DIKES WING DAMS

BT RIVER TRAINING STRUC-TURES NT IMPERMEABLE DIKES

DIKES (TRAINING STRUCTURES)
PERMEABLE DIKES (Con.) PILE DIKES
BANK PROTECTION
CHANNEL IMPROVEMENT
CHANNEL STABILIZATION GROINS
RIVER REGULATION
--RIVER TRAINING DILATANCY (ROCK) 2
BT MECHANICAL PROPERTIES
RT ROCK CREEP
ROCK DEFORMATION VOLUME CHANGE DILATANCY (SOILS) 2 NOTE: Expansion of cohesionless soils when subject to shearing deformation
BT MECHANICAL PROPERTIES
RT CRITICAL VOID RATIO
--EXPANSIVE SOILS
LIQUEFACTION (SOILS)
VOLUME CHANGE DILATANCY TESTS (SOILS) 2 UF SHAKING TESTS FIELD TESTS HAND TESTS DRY STRENGTH TESTS
SURFACE TESTS (SOILS)
TOUGHNESS TESTS (SOILS)
UNIFIED SOIL CLASSIFICATION SYSTEM DILATION (CONCRETE) 3
use CONCRETE DILATION DILATION TESTS BT CONCRETE TESTS RT FREEZE- THAW TESTS DILATION WAVES use COMPRESSION WAVES DILATOMETERS NOTE: Instruments for measuring dilation or expansion, especi-ally of a fluid by heat RT EXTENSOMETERS DILUTION METHOD (DISCHARGE
MEASUREMENT) 1
UF SALT DILUTION METHOD (DISCHARGE MEASUREMENT)
BT DISCHARGE MEASUREMENT
RT GIBSON METHOD (DISCHARGE
MEASUREMENT) MEASUREMENT) PIPE FLOW LUVIUM 1 2 use DRIFT DILUVIUM DIMENSIONAL ANALYSIS 1 2 5 6
RT--MATHEMATICAL MODELS
MOBILITY NUMBERS
--MODELS
SIMILITUDE
--SIMULATION DIMENSIONLESS CONCEPT 1
NOTE: Relates to laws of simili-RT HYDRAULIC SIMILITUDE DINOFLAGELLATES 7 INOFLAGELLATES 7
NOTE: Motile organism in the class Dinophyceae of the algae; great abundance of some forms (red tide) along coasts causes death of many fish
BT ALGAE
AQUATIC MICROORGANISMS
AQUATIC PLANTS
INVERTEBRATES
MICROORGANISMS MICROORGANISMS

DINOFLAGELLATES (Con.) DISCHARGE LINES PLANTS (BOTANY) PROTOZOA RT- - DAMS -- DISCHARGE (WATER)
-- OUTLET WORKS
PENSTOCKS
-- PIPELINES PYRROPHYTA SESTON AQUATIC ALGAE RED TIDE -- PIPES
TRIFURCATIONS
-- TUNNELS DIODES 6 NT TUNNEL DIODES RT-ELECTRON TUBES DISCHARGE MEASUREMENT 1
BT MEASUREMENT
NT CALLFORNIA PIPE METHOD
DILUTION METHOD (DISCHARGE
MEASUREMENT)
GIBSON METHOD (DISCHARGE DIORITE ORITE 2 3 BT--IGNEOUS ROCKS INTRUSIVE ROCKS GIBSON METHOD (DISCHARGE MEASUREMENT)
SALT VELOCITY METHOD (DISCHARGE MEASUREMENT)
T BROAD-CRESTED WEIRS CHEZY EQUATION CIPOLLETTI WEIRS CURRENT METERS DARCY-WEISBACH EQUATION -- DISCHARGE (WATER) FLOW MEASUREMENT -- FLOWMETERS RT TONALITE DIPTERA NOTE: Order of insects possessing two wings
UF CHIRONOMIDAE
BT INSECTS
INVERTEBRATES NT CULICIDAE RT-BENTHIC FAUNA FLOWMETERS HAZEN-WILLIAMS EQUATION DIRECT CURRENT 6
BT ELECTRIC CURRENTS
RT ALTERNATING CURRENT -- HYDRAULICS
KUTTER FORMULA
MANNING EQUATION
ORIFICE METERS DIRECT SHEAR EQUIPMENT BT SHEAR EQUIPMENT RT DIRECT SHEAR TESTS ORIFICES PITOT TUBES PITOT TUBES
RECTANGULAR WEIRS
SHARP-CRESTED WEIRS
STILLING WELLS
STREAM GAGES
STREAM GAGING STATIONS
SUBMERGED WEIRS
VEE-NOTCHED WEIRS
VEF-NOTCHED WEIRS DIRECT SHEAR TESTS BT SHEAR TESTS
SOIL TESTS (LABORATORY)
RT DIRECT SHEAR EQUIPMENT
PEAK STRENGTH RESIDUAL SHEAR STRENGTH S TESTS (SOILS) - VENTURI FLUMES
VENTURI METERS
WATER MEASUREMENT
- WATER SURFACE PROFILES -- UNDRAINED SHEAR TESTS DIRECT TENSILE STRENGTH TESTS (CONCRETE) 3
UF UNIAXIAL TENSION TESTS
(CONCRETE) WELL YIELD DISCHARGE RECORDS 1
use STREAM FLOW RECORDS BT TENSION TESTS RT TENSILE STRENGTH (CONCRETE) DISCHARGE (WATER) 1
UF RELEASE OF WATER
WATER RELEASE
NT PEAK DISCHARGE DIRECTION FINDING RT--SURVEYING 1 PAR DISCHARGE
T AIR DEMAND
--CHANNEL FLOW
CURRENT METERS
DARCYS LAW
DARCY-WEISBACH EQUATION
--DEPLETION DIRECTIONAL CONTROL VALVES
BT VALVES
RT--PNEUMATIC VALVES DISASTERS 1 2 4 6
RT ACCIDENTS
AVALANCHES
BRIDGE FAILURES -- DISCHARGE COEFFICIENTS DISCHARGE LINES DISCHARGE MEASUREMENT CIVIL DEFENSE
-- DAM FAILURES
-- DAMAGE
EARTHQUAKES FLOAT WELLS FLOOD ROUTING -- FLOODS -- FLOODS
-- FLOW AUGMENTATION
-- FLOW CONTROL
FLOW DURATION
FLOW DURATION CURVES
FLOW RATE
FLOWMETERS
-- FLUID FLOW
-- HYDRAULICS
-- HYDROGRAPHS -- NUCLEAR EXPLOSION EFFECTS
-- NUCLEAR WEAPONS EFFECTS
RADIOACTIVE CONTAMINATION
SAFETY SAFETY ENGINEERING SUBSIDENCE DISCHARGE COEFFICIENTS 1
NT SPILLWAY DISCHARGE COEFFICIENT
RT BELLMOUTHS -- HYDROGRAPHS DARCY- WEISBACH EQUATION DISCHARGE (WATER) FLOW DURATION CURVES - HYDRAULICS HYDROLOGIC BUDGET HYDROLOGIC EQUATION TNFLOW KUTTER FORMULA ATTARAULICS
KUTTER FORMULA
MANNING EQUATION
REYNOLDS NUMBER
STAGE-DISCHARGE RELATIONS LOW FLOW MANNING EQUATION OUTFLOW -- OUTLETS

OVERLAND FLOW

DISLOCATION THEORY 6
RT CREEP PROPERTIES
FATIGUE (MATERIALS) DISCHARGE (WATER) (Con.)
RAINFALL-RUNOFF RELATION SHIPS RESERVOIR YIELD -- MECHANICAL PROPERTIES REYNOLDS NUMBER ISPERSANTS 2 3 7
NOTE: Materials that increase
the stability of a suspension
of particles in a liquid medium
UF DISPERSING AGENTS
RT--ADMIXTURES DISPERSANTS -- RUNOFF NUMOFF
SPECIFIC CAPACITY
SPILLWAY CRESTS
SPILLWAY DESIGN FLOOD
SPILLWAY GATES SPILLWAY GATES
--SPILLWAYS
STAGE-DISCHARGE RELATIONS
--STREAM FLOW
STREAM GAGES
STREAM GAGING
STREAMFLOW DEPLETION
TIME SERIES ANALYSIS
--VENTURI FLUMES
VENTURI METERS
WATER BALANCE
WATER FLOW
--WATER YIELD -- CONCRETE ADMIXTURES DEFLOCCULANTS DISPERSION
DISPERSION (SOILS)
EMULSIFYING AGENTS
OIL SPILL CONTROL PHOSPHATES PLASTICIZERS SURFACTANTS -- WET ANALYSIS WETTING AGENTS -- WATER YIELD -- WEIRS DISPERSED STRUCTURE (SOILS) 2
use CLAY STRUCTURE -- WITHDRAWAL DISCLIMAX 7
NOTE: Climax which is the consequence of repeated or continuous disturbance by man, domes-DISPERSING AGENTS use DISPERSANTS DISPERSION 1 7 ticated animals or natural events
BT CLIMAX
ECOSYSTEMS ASSIMILATION CIRCULATION SUCCESSION -- DIFFUSION DISPERSANTS DISCONTINUITIES (STRUCTURAL GEOLOGY) 2

NOTE: A surface separating two
unrelated groups of rocks
RT BEDDING PLANES
--CRACKING (FRACTURING)
FAULTS AND FAULTING (GEOLOGY) -- DISPOSAL ENTRAINMENT -- SEPARATION
-- WATER POLLUTION DISPERSION (SOILS) 2 NOTE:

1. Breaking down or separation of soil aggregates into single FISSURES FRACTURES AND FRACTURING (GEOLOGY)
JOINTS AND JOINTING (GEOLOGY)
STRUCTURAL GEOLOGY
THRUSTS AND THRUSTING (GEOLOGY) grains
2. Repelling action of an electric potential on fine particles in suspension in water
BROWNIAN MOVEMENT DISEASE VECTORS NOTE: Organisms, usually insects, that transmit a pathogenic virus, bacterium, protozoon, or fungus from one organism to another RT EPIDEMIOLOGY COHESIONLESS SOILS DEFLOCCULATION DISPERSANTS DOUBLE LAYER THEORY EMULSIONS ! SINGLE GRAINED STRUCTURE (SOILS) DISINFECTION NOTE: Effective killing by chemical or physical processes of all organisms capable of causing infectious disease
RT CHLORINATION DISPERSION (STATISTICS) NOTE: Scattering of values of a variable around the mean or median of a distribution RT STATISTICAL DISTRIBUTIONS -- PEST CONTROL STERILIZATION DISPERSION (WAVES) : NOTE: Falling to pieces of material as a result of chemical or physical action
RT ABRASION
AGING
-- CHEMICA: WATER PURIFICATION DISINTEGRATION DISPERSIVE WAVES 2
use WAVE DISPERSION DISPLACEMENT 2 3 4 5
NT RADIAL DISPLACEMENT
ROCK DISPLACEMENT -- CHEMICAL ATTACK RT AMPLITUDE -- CONSOLIDATION (SOILS) -- CRACKING (FRACTURING) -- CREEP -- DAMAGE -- DEFLECTION
-- DEFORMATION DECOMPOSITION DECRADATION DISTORTION (STRUCTURAL)
FAULTS AND FAULTING (GEOLOGY) -- DETERIORATION FISSURES -- PRAGMENTATION
-- PROST ACTION
GRANULATION
GRINDING (COMMINUTION)
OXIDATION KINEMATICS KINETICS RESONANT FREQUENCY -- SETTLEMENT SOIL SWELLING TALUS VIBRATIONS WEATHERING (GEOLOGY)

DISPLACEMENT FILES 2 NOTE: Files driven, jacked or screwed into the ground BT FILES DISSOLVED OXYGEN ANALYZERS 7
RT DISSOLVED OXYGEN OXYGEN BT PILES NT DRIVEN PILES JACKED PILES DISSOLVED SOLIDS 7
NOTE: Total amount of dissolved material, organic and inorganic, contained in water or wastes
RT-DISSOLVED GASES
SOLUBLITY
SOLVED MAY NOTE: SCREWED PILES COMPACTION PILES DISPLACEMENT SAMPLERS UP RETRACTABLE PLUG DISPLACEMENT SAMPLERS
BT DRIVE SAMPLERS
SAMPLERS
SOIL SAMPLERS
RT-- AUGERS WATER ANALYSIS DISTILLATION 1 7
UF FRACTIONATION
BT SEPARATION
RT AERATION DISTURBED SAMPLING PERCUSSION DRIVE SAMPLERS CONDENSATION DEMINERALIZATION DESALTING PLANTS
DESALTING PROCESSES
-- DIFFUSION DSAL 6 7
LAND WASTE DISPOSAL
OCEAN WASTE DISPOSAL
SEWAGE DISPOSAL
SLUDGE DISPOSAL DISPOSAL DROPWISE CONDENSATION FEEDWATER TREATMENT PURIFICATION TERTIARY TREATMENT SUBSURFACE DISPOSAL
-- WASTE DISPOSAL
WASTE WATER DISPOSAL
RT-- ABATEMENT -- VAPORIZING
WASTE WATER TREATMENT
WATER PURIPICATION
WATER SOFTENING BIODEGRADATION
-- DECONTAMINATION DISPERSION
DISPOSAL WELLS
EARTH FILLS
INCINERATION DISTORTION (STRUCTURAL) 1 2 3 4 6 UP STRUCTURAL DISTORTION BT DEFORMATION RT-BENDING
BENDING STRESS
BUCKLING
CRACKING (FRACTURING)
-- DEFLECTION
-- DISPLACEMENT INSOLATION SANITARY ENGINEERING SEPTIC TANKS DISPOSAL WELLS 7
BT WELLS
RT--DISPOSAL
SUBSURFACE WASTE DISPOSAL EXPANSION SETTLEMENT RECORDS WASTE WATER DISPOSAL SHEAR CRACKS -- STRUCTURAL ANALYSIS STRUCTURAL BEHAVIOR DISSIPATION (ENERGY) 1 use ENERGY DISSIPATION TENSION CRACKS DISSIPATORS (ENERGY) 1
use ENERGY DISSIPATORS (HYDRAULIC STRUCTURES) DISTORTIONAL WAVES USE SHEAR WAVES DISSOLVED GASES 1 7 DISTRIBUTED LOADS 1 2 3 4 use LOADS (FORCES) CASES 1 7
GASES 1 7
GASES
DISSOLVED OXYGEN
BIOCHEMICAL OXYGEN DEMAND
DISSOLVED OXGANIC MATTER
DISSOLVED SOLIDS
BHOTOSOMMUESTS DISTRIBUTION PATTERNS 1 7 NOTE: Pattern of occurrence of individuals of a taxon in an PHOTOSYNTHESIS CHANNEL MORPHOLOGY
DEPTH AREA CURVES
DEPTH AREA DURATION ANALYSIS
DESIGN STORM SOLUBILITY WATER ANALYSIS DISSOLVED ORGANIC MATTER 7
RT--BIOGEOCHEMICAL CYCLE
BIOLOGICAL PRODUCTIVITY
--DISSOLVED GASES -- ECOLOGY ENVIRONMENTAL GRADIENTS FLOW NETS FREQUENCY ENRICHMENT -- HYDROGRAPHS LIMITING FACTORS -- MAPPING -- METEOROLOGY ORGANIC WASTES DISSOLVED OXYGEN ISSOLVED OXYGEN 1 7 NOTE: Oxygen dissolved in water or sewage BT DISSOLVED GASES MIGRATION -- POPULATIONS POPULATIONS
SEDIMENT DISCHARGE
SEDIMENT DISTRIBUTION
WATER ALLOCATION
WATER DISTRIBUTION GASES AIR ENTRAINMENT (WATER)
AERATION BIOCHEMICAL OXYGEN DEMAND CHEMICAL OXYGEN DEMAND DISSOLVED OXYGEN ANALYZERS OLIGOTROPHY DISTRIBUTION SYSTEMS (WATER)
MT BURIED IRRIGATION SYSTEMS
-- IRRIGATION SYSTEMS RT WATER DISTRIBUTION OXYGEN OXYGEN SAG DISTURBED SAMPLING OXYGENATION BT SAMPLING RT DISPLACEMENT SAMPLERS REAFRATION SOLUBILITY STRATIFICATION (WATER) WATER ANALYSIS

DISTURBED SAMPLING (Con.)
-- EXPLORATION SAMPLERS
PERCUSSION DRIVE SAMPLERS
SAMPLE DISTURBANCE
SPLIT SPOON SAMPLERS
THICK WALL OPEN SAMPLERS
UNDISTURBED SAMPLING DITCH LININGS 1 2 3 DITCHES 1 2
NT IRRIGATION DITCHES
RT BYPASSES
--CANALS -- CHANNELS -- CONDUITS DIVERSION STRUCTURES
-- DIVERSION WORKS -- DRAINAGE DRAINAGE CANALS DRAINAGE CANALS
DRAINAGE ENGINEERING
- DRAINAGE STRUCTURES
DRAINAGE SYSTEMS
- DRAINS -- EXCAVATION
-- IRRIGATION IRRIGATION CANALS IRRIGATION ENGINEERING -- OPEN CHANNELS SUMPS -- SURFACE IRRIGATION TRENCHES UNLINED CANALS UNLINED CHANNELS WATER SPREADING DIURNAL VARIATIONS 1 7 NOTE: Pertains to daylight hours RT BIORHYTHMS CIRCADIAN RHYTHMS PHOTO PERIODISM
TIDAL HYDRAULICS
-- TIDES DIVERGING SECTIONS 1 NOTE: Refers to open channels, canals, etc. RT OPEN CHANNEL FLOW DIVERS 1
RT DIVING
UNDERWATER SWIMMERS VERSION 1

NOTE: Act of taking water from a stream or other body of surface water into a canal, pipeline, or other conduit RT DIVERSION DAMS DIVERSION LOSS RETURNS DIVERSION LOSSES DIVERSION STRUCTURES DIVERSION TUNNELS

- DIVERSION WORKS FLOOD CONTROL PLOOD CONTROL
PLOW AROUND OBJECTS
INTERBASIN WATER TRANSPERS
NATURAL PLOW DOCTRINE
OBSTRUCTION TO PLOW
RIVER DIVERSION -- STREAM FLOW STREAMFLOW DEPLETION -- WATER MANAGEMENT WATER SPREADING -- WITHDRAWAL DIVERSION CANALS 1 2 3
BT CANALS
CONDUITS
DIVERSION WORKS
RT DIVERSION DAMS
DIVERSION TUNNELS
DRAINAGE CANALS
IRRIGATION CANALS
SIVED DIVERSION

RIVER DIVERSION

DIVERSION CHANNELS BT CHANNELS RT BYPASSES FLOOD CONTROL DIVERSION DAMS 1 2
NOTE: Fixed dam built for the purpose of diverting part or all of the water from a stream out of and away from its course BT DAMS DIVERSION WORKS
CHECK DAMS
CONCRETE DAMS
CONTROL STRUCTURES CONTROL STRUCTURES
DIVERSION CANALS
DIVERSION STRUCTURES
DIVERSION TUNNELS -- EARTH DAMS -- EMBANKMENTS FLOOD CONTROL
-- FLOW CONTROL
-- FLOW CONTROL
-- IRRIGATION SYSTEMS OVERFLOW RIVER CLOSURES RIVER DIVERSION SLUTCES WATER CONTROL DIVERSION LOSS RETURNS
RT DIVERSION
DIVERSION LOSSES
RECLAIMED WATER
RETURN FLOW WATER LOSS WATER RECLAMATION DIVERSION LOSSES CONSUMPTIVE USE DIVERSION DIVERSION LOSS RETURNS -- EVAPORATION SEEPAGE LOSSES WATER LOSS DIVERSION STRUCTURES RT- - BARRIERS CHUTES -- CONDUITS DAM CONSTRUCTION -- DAMS -- DITCHES -- DITCHES
DIVERSION
DIVERSION DAMS
DIVERSION TUNNELS
-- DIVERSION WORKS EARTHWORK -- EROSION CONTROL FISHWAYS FLOOD CONTROL FLOODGATES PLOODATES
FLOODWAYS
--FLUMES (WATER CONVEYANCE
STRUCTURES)
INTERBASIN WATER TRANSFERS
IRRIGATION DESIGN
LOCKS (WATERWAYS)
OBSTRUCTION TO PLOW -- ORIFICES RIPRAP ROUTING SLUICE GATES -- SPILLWAYS DIVERSION TUNNELS 1 2 CONDUITS DIVERSION WORKS TUNNELS WATER TUNNELS

DIVERSION TUNNELS (Con.) RT BYPASSES ENTATION (Con.)
DOCUMENTS
INFORMATION CENTERS DOCUMENTATION DAM CONSTRUCTION INFORMATION RETRIEVAL INFORMATION SCIENCES DIVERSION
DIVERSION CANALS
DIVERSION DAMS
DIVERSION STRUCTURES INFORMATION SYSTEMS LIBRARIES. TRANSLATIONS DIVERSION STRUCTURES
FLOOD CONTROL
- FLOW CONTROL
INTERBASIN WATER TRANSFERS
- OUTLET WORKS
- PRESSURE TUNNELS
RIVER CLOSURES
- SPILLWAYS
TUNNEL CONSTRUCTION
TUNNEL DESIGN
TUNNEL LININGS
TUNNEL LININGS
TUNNEL PLUGS
UNLINED TUNNELS
WATER CONTROL CUMENTS 1 2 3 4 5 6 NT CATALOGS (PUBLICATIONS) FIELD MANUALS DOCUMENTS GLOSSARIES HANDBOOKS LABORATORY MANUALS -- MANUALS PROCEEDINGS
-- STANDARDS
STATE-OF-THE-ART STUDIES
THESAURI ABSTRACTS BIBLIOGRAPHIES DOCUMENTATION HISTORICAL RECORDS DIVERSION WORKS DIVERSION CANALS DIVERSION DAMS DIVERSION TUNNELS BARRIERS INFORMATION SYSTEMS RECORDS TRANSLATIONS BYPASSES -- CLOSURES DOGLEG PILES 2
use PILE ECCENTRICITIES -- COFFERDAMS
-- CONDUITS DOLERITE ITE 2 3 DIABASE EXTRUSIVE ROCKS UF BT DAM CONSTRUCTION DIKES (EMBANKMENTS) DITCHES IGNEOUS ROCKS DITCHES
DIVERSION
DIVERSION STRUCTURES
FLOOD CONTROL
FLOODWAYS
-- FLOW CONTROL
FLOW DEFLECTORS
HEADWORKS
-- HYDRAULIC ENGINEERING
-- HYDRAULIC GATES
INTERBASIN WATER TRANSFERS
-- LOCKS (WATERWAYS)
PUMPING STATIONS
RIVER CLOSURES
RIVER DIVERSION
-- VALVES
WATER CONTROL BASALT DIKES (GEOLOGY) GABBRO SILLS (GEOLOGY) DOLOMITE CALCAREOUS ROCKS CARBONATE AGGREGATES ROCKS SEDIMENTARY ROCKS RT-- AGGREGATES CALCITE -- CALCIUM CARBONATES CHALKS -- LIMESTONES MAGNESIUM WATER CONTROL MARBLE DIVING 1 RT DECOMPRESSION DOLOSSE 1 NOTE: Precast concrete armor units BT ARMOR UNITS DEEP OCEAN VEHICLES DIVERS DOLPHINS 1 2 3
NOTE: Mooring devices
UF BERTHING DOLPHINS
MOORING DOLPHINS
BT HARBOR STRUCTURES
MARINE STRUCTURES
OFFSHORE STRUCTURES
RT BATTER PILES
CELLULAR COFFEEDAMS
FENDER PILES DIVING SUITS UNDERWATER OBJECT LOCATORS UNDERWATER SWIMMERS DIVING SUITS 1 RT BREATHING APPARATUS DIVING OCKS 1 2 3 4
BT HARBOR FACILITIES
HARBOR STRUCTURES
MARINE STRUCTURES
NT DRY DOCKS
FLOATING DOCKS
RT-- BULKHEADS
FENDERS
HARBOR ENGINEERING
HARBORS
JETTIES DOCKS FENDER PILES HARBORS LATERAL LOADS (PILES) MOORINGS -- PILES WHARVES DOMES (GEOLOGY) FOLDS AND FOLDING (GEOLOGY)
GEOLOGIC STRUCTURES JETTIES MARINAS SALT DOMES ANTICLINES BASINS (GEOLOGY) GEANTICLINES MARINE ENGINEERING
MOORINGS
-- PIERS (DOCKS)
WHARVES GEOSYNCLINES MONOCLINES DOCUMENTATION 6 RT-- DATA PROCESSING DICTIONARIES SYNCLINES

DOMES (STRUCTURAL FORMS) 2 3 4 6
BT SHELLS (STRUCTURAL FORMS)
STRUCTURAL FORMS
NT BURIED DOMES RT- - ARCHES -- BUILDINGS CYLINDRICAL SHELLS
-- STRUCTURAL MEMBERS DOMESTIC WATER 1 BT WATER RT-- RESERVOIRS WATER ALLOCATION WATER CONSUMPTION WATER QUALITY WATER SUPPLY DOMINANT ORGANISMS MINANT ORGANISMS 7
NOTE: Organisms that control
the habitat at any stage of
development; in practice the
organism that is most conspicuous and covers the most area
BT BIOLOGICAL COMMUNITIES
FROMYPES ECOTYPES RT BIOTA COMPETITION -- ECOSYSTEMS -- SUCCESSION NOTE: Precast concrete armor units BT ARMO ARMOR UNITS DOPPLER EFFECT 4 RT--ELASTIC WAVES DOSIMETRY NOTE: Measurement of radioactive dose UF RADIATION DOSIMETRY
RT MEASURING INSTRUMENTS
RADIATION DOSAGE
-- RADIATION EFFECTS -- RADIATION MEASURING INSTRU-MENTS DOUBLE ACTING PILE HAMMERS
BT CONSTRUCTION EQUIPMENT
PILE DRIVING EQUIPMENT
PILE HAMMERS DOUBLE LAYER THEORY 1 2
UF DIFFUSE DOUBLE LAYER
DIFFUSE ION LAYER
ELECTRIC DOUBLE LAYER
RT ADSORBED WATER
CLAY STRUCTURE CLAY STRUCTURE
DISPERSION (SOILS)
ELECTROKINETIC EFFECTS
ELECTROOSMOSIS
FILMS (MOISTURE)
FLOCCULATION ION ADSORPTION
-- ION EXCHANGE IONS OSMOTIC PRESSURE PLASTICITY SOIL SWELLING DOUBLE TUBE AUGER SAMPLERS UF TAMS SAMPLER BT SAMPLERS BT SAMPLERS
SOIL SAMPLERS
RT-AUGERS
-- DOUBLE TUBE CORE BARRELS
SEDIMENT SAMPLERS DOUBLE TUBE CORE BARRELS UF DOUBLE WALL SAMPLERS BT CORE BORING SAMPLERS ROCK SAMPLERS ROTARY CORE BARRELS SAMPLERS

DOUBLE TUBE CORE BARRELS NT DENISON SAMPLERS PITCHER SAMPLERS WES SAMPLERS
DOUBLE TUBE AUGER SAMPLERS
SINGLE TUBE CORE BARRELS
UNDISTURBED SAMPLING UNDISTURBED SOIL SAMPLES DOUBLE WALL COFFERDAMS
BT COFFERDAMS 1 2 DAMS RT CELLULAR COFFERDAMS -- SHEET PILES SINGLE WALL COFFERDAMS DOUBLE WALL SAMPLERS 2
use DOUBLE TUBE CORE BARRELS DOWELS BT FASTENERS RT--JOINTS (JUNCTIONS) --MASONRY -- PAVEMENTS -- RIGID PAVEMENTS SLABS DOWNDRAG 2 RT NEGATIVE SKIN FRICTION DOWNFULL (HYDRAULICS)
use GATE DOWNPULL DOWNWASH NOTE: Downward flow of gases under pressure resulting from the application of power to the lifting or propelling or both of airborne vehicles, helicopters, rockets, guided missiles, etc. GROUND WASH DRAFT- STORAGE CURVES RT CURVES
RT HYDROLOGIC DATA
RESERVOIR CAPACITY
RESERVOIR OPERATION RESERVOIR STORAGE DRAFT TUBES CONDUITS RIGID TUBING
TURBINE COMPONENTS
RT DERIAZ PUMP TURBINES
-- HYDRAULIC TURBINES
HYDROELECTRIC PLANTS KAPLAN TURBINES
REACTION TURBINES
-- REVERSIBLE TURBINES SURGES DRAFTING (DRAWING) RT DRAWING ENGINEERING DRAWINGS UF AERODYNAMIC DRAG NT-PRESSURE DRAG WAVE DRAG RT-- AERODYNAMIC FORCES AERODYNAMICS AIR RESISTANCE
BOUNDARY LAYER
BRAKING (ARRESTING MOTION)
DECELERATION DRAWBAR PULL -- FRICTION GROUND EFFECT LIFT MOTION RESISTANCE RESISTANCE COEFFICIENT SKIN FRICTION SLIP TESTS (VEHICLES) THRUST WALL FRICTION (HYDRAULICS)

GE (Con.) GRAVITATIONAL WATER DRAINAGE INES 1 2 5
CONSTRUCTION EQUIPMENT
EARTH HANDLING EQUIPMENT DRAGLINES -- GROUNDWATER
GROUNDWATER CONTROL (EXCAVA-EXCAVATORS TION)
GROUNDWATER LOWERING CLAMSHELLS GUTTERS (PAVEMENTS)
HORIZONTAL DRAINS
-- HYDRAULIC ENGINEERING
-- HYDROGRAPHS -- DREDGES
-- SHOVELS (CONSTRUCTION EQUIPMENT) HYDROLOGY INFILTRATION (SOILS) DRAIN SPACING 1
RT DRAIN TILES
DRAINAGE ENGINEERING
DRAINAGE SYSTEMS
HORIZONTAL DRAINS
HYDRAULIC CONDUCTIVITY
PHREATIC LINE IRRIGATION (SO IRRIGATION LAND RECLAMATION LEACHING (SOILS) OPEN DRAINS PEAK RUNOFF PERCOLATION -- SUBDRAINS PERMEABILITY TILE DRAINS PONDING DRAIN TILES 1 2 3 5 UF TILES (DRAIN) BT CLOSED CONDUITS PUMPING STATIONS -- PUMPS RELIEF WELLS PIPES
CLAY PIPES
-- CONCRETE PIPES
DEWATERING RIVER BASINS
-- RUNNING WATERS -- RUNOFF SAND DRAINS SAND PILES SANITARY ENGINEERING DRAIN SPACING DRAINAGE PIPES SANITARY ENGINEERING
-- SEEPAGE
SLOPE STABILIZATION
SOIL CONSERVATION
-- SOIL STABILIZATION
-- SUEDRAINS
-- SUEDRAINS
-- SUEPACE WATERS
UNSATURATED FLOW
WATER FLOW
-- WATER MANAGEMENT
-- WATER TABLE
-- WATERSHEDS -- DRAINS INFILTRATION (WATER) IRRIGATION IRRIGATION PIPES STORM SEWERS SUBDRAINS SUBSURFACE DRAINAGE TILE DRAINS TILE SPACING TOE DRAINS DRAIN WELLS 1 2 use DRAINAGE WELLS -- WATERSHEDS WEEP HOLES WELLPOINTS RAINAGE 1 2 3 5

UF DRAINING

NT AIRFIELD DRAINAGE
AIRPORT DRAINAGE
CONTROLLED DRAINAGE
FURROW DRAINAGE
GRAVITY DRAINAGE
LAMDING FIELD DRAINAGE
LAMDING FIELD DRAINAGE
LAMDING MAT DRAINAGE
MEMBRANE DRAINAGE
MCLE DRAINAGE
PUMP DRAINAGE
ROAD DRAINAGE
SURFACE DRAINAGE
SURFACE DRAINAGE
TILE DRAINAGE
RT--COARSE GRAINED SOILS DRAINAGE 2 3 5 DRAINAGE BASINS 1 2 7 use WATERSHEDS DRAINAGE BLANKETS 1 2 3
UF BLANKET DRAINS
BT BLANKETS
DRAINAGE STRUCTURES DAM UNDERSEEPAGE GRAVEL BLANKETS HORIZONTAL DRAINS ROCK BLANKETS
SAND DRAINS
SEEPAGE CONTROL
UPLIFT PRESSURE RT--COARSE GRAINED SOILS
--CONSOLIDATION (SOILS)
CORRUGATED METAL PIPES DRAINAGE CANALS 1 2 3 CANALS CONDUITS DARCYS LAW DEWATERING DRAINAGE STRUCTURES DEWATERING -- DITCHES -- DITCHES
DRAINAGE CANALS
DRAINAGE EFFECTS
DRAINAGE ENGINEERING
DRAINAGE PIPES
DRAINAGE PRACTICES
-- DRAINAGE SYSTEMS
DRAINAGE SYSTEMS
DRAINAGE SYSTEMS DITCHES DIVERSION CANALS -- DRAINAGE DRAINAGE PIPES -- DRAINS IRRIGATION CANALS DRAINAGE DENSITY DRAINAGE WATER DRAINAGE WELLS RT-- GEOMORPHOLOGY HYDROGEOLOGY -- DRAINS STREAM DRAINAGE PATTERNS TRIBUTARIES DRAWDOWN CURVES
EXCAVATION
FLAP VALVES
PLOOD CONTROL VEGETATION EFFECTS
-- WATERSHEDS DRAINAGE EFFECTS -- FLOW FLOW NETS RT-- DRAINAGE DRAINAGE PRACTICES

-- GROUNDWATER MARSH MANAGEMENT

GALLERIES

```
DRAINAGE SYSTEMS
-- DRAINAGE
DRAINAGE ENGINEERING 1
BT CIVIL ENGINEERING
RT AGRICULTURAL ENGINEERING
CHANNELING
CONTROLLED DRAINAGE
DEWATERING
                                                                                                                                                 (Con.)
                                                                                                                         DRAINAGE ENGINEERING
DRAINAGE PRACTICES
DRAINAGE WATER
DRAINAGE WELLS
                                                                                                                        - DRAINS
ELECTROOSMOSIS
           DITCHES
DRAIN SPACING
                                                                                                                      FILTERS
FLOOD CONTROL
-- FLUID FILTERS
GROUNDWATER RECHARGE
HORIZONTAL DRAINS
IRRIGATION DITCHES
        -- DRAINAGE
DRAINAGE SYSTEMS
            FURROW DRAINAGE
IRRIGATION ENGINEERING
             OPEN DRAINS
        -- PUMPS
                                                                                                                        - IRRIGATION SYSTEMS
        TILE DRAINAGE
-- WATER MANAGEMENT
                                                                                                                          LATERALS
                                                                                                                        OPEN DRAINS
         -- WATER RESOURCES MANAGEMENT
                                                                                                                      -- PIPES
PUMPING
 DRAINAGE NETWORKS 1
use DRAINAGE SYSTEMS
                                                                                                                          RAPID DRAWDOWN
RIVER BASIN DEVELOPMENT
DRAINAGE PATTERNS 1 2
NOTE: Arrangements of natural
drainage lines within an area
RT HYDROGRAPHIC SURVEYS
--TOPOGRAPHY
                                                                                                                           RIVER SYSTEMS
                                                                                                                      -- RIVERS
                                                                                                                        SALT WATER BARRIERS
-SEWERS
                                                                                                                           STORM SEWERS
STREAM DRAINAGE PATTERNS
 DRAINAGE PIPES 1 2 3 5
                                                                                                                      -- STREAMS
-- SUBDRAINS
     BT CONDUITS
PIPES
                                                                                                                      -- SUBSURFACE DRAINAGE
-- SURFACE WATERS
     RT CLAY PIPES
-- CONCRETE PIPES
                                                                                                                     -- SURFACE WATERS
-- SWAMPS
TILE DRAINS
TILE SPACING
URBANIZATION
WATER CONTROL
-- WATER MANAGEMENT
-- WATER SESOURCES MANAGEMENT
-- WATERSHEDS
             DEWATERING
DRAIN TILES
        - DRAINAGE CANALS
- DRAINAGE STRUCTURES
- DRAINAGE WELLS
                                                                                                                      -- WATERSHEDS
                                                                                                                          WELLPOINTS
 DRAINAGE PRACTICES 1
RT CONTROLLED DRAINAGE
    RT CONTROLL
-- DRAINAGE
DRAINAGE EFFECTS
TNAGE SYSTEMS
                                                                                                              DRAINAGE WATER
BT WATER
RT-- DRAINAGE
             DRAINAGE SYSTEMS
LAND RECLAMATION
                                                                                                                          DRAINAGE SYSTEMS
                                                                                                                      -- SUBSURFACE WATERS
SURFACE RUNOFF
-- SURFACE WATERS
         -- WATER RESOURCES MANAGEMENT
 DRAINAGE STRUCTURES 1 2 3 5
NT CARDBOARD DRAINS
CHIMMEY DRAINS
COUNTERFORT DRAINS
                                                                                                                          WATER RECLAMATION
                                                                                                              DRAINAGE WELLS 1 2 3
NOTE: Vertical drains extending into the subsoil to reduce seepage pressures in pervious
         CULVERTS
DRAINAGE BLANKETS
DRAINAGE CANALS
-- DRAINS
                                                                                                                 strata and to control under-
seepage
UF DRAIN WELLS
BT WATER WELLS
WELLS
             EXPEDIENT DRAINAGE STRUCTURES
GUTTERS (PAVEMENTS)
HORIZONTAL DRAINS
INTERCEPTING DRAINS
                                                                                                                         HORIZONTAL DRAINAGE WELLS
DEEP WELLS (DEWATERING)
             MOLE DRAINS
MOUND DRAINS
                                                                                                                     -- DRAINAGE
DRAINAGE PIPES
             SAND DRAINS
SLOPING DRAINS
                                                                                                                         DRAINAGE SYSTEMS
            SUBDRAINS
TILE DRAINS
                                                                                                                       - DRAINS
                                                                                                                    -- FILTERS
PUMP DRAINAGE
RELIEF WELLS
SEEPAGE CONTROL
SEEPAGE PRESSURE
            TOE DRAINS
TRENCH DRAINS
VERTICAL DRAINS
AIRPIELD DRAINAGE
            DEWATERING
DITCHES
                                                                                                                     -- UNDERSEEPAGE
                                                                                                                         UNDERSEEPAGE CONTROL
         -- DRAINAGE
DRAINAGE PIPES
                                                                                                                        VERTICAL DRAINS
WELL YIELD
WELLPOINTS
        -- HIGHWAY STRUCTURES
-- ROAD CONSTRUCTION
             ROAD DRAINAGE
                                                                                                            DRAINED SHEAR TESTS use S TESTS (SOILS)
        -- SEWERS
             STORM SEWERS
                                                                                                            DRAINING 1 a
                                                                                                                                1 2 3
DRAINAGE SYSTEMS 1
UF DRAINAGE NETWORKS
RT CONTROLLED DRAINAGE
                                                                                                            DRAINS
            DEWATERING
                                                                                                                BT DRAINAGE STRUCTURES
        -- DITCHES
DRAIN SPACING
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OWN (Con.) PUMPING TESTS (WELLS) RECHARGE WELLS DRAWDOWN DRAINS (Con.) S (CON.)
CARDBOARD DRAINS
CHIMNEY DRAINS
COUNTERFORT DRAINS
HORIZONTAL DRAINS
INTERCEPTING DRAINS
MOLE DRAINS RESERVOIRS -- RESERVOIRS
-- SLOPE STABILITY ANALYSIS
SPECIFIC CAPACITY
THEIS EQUATION
THIEM EQUATION
THIEM TEST MOUND DRAINS
OPEN DRAINS
SAND DRAINS
SLOPING DRAINS
SPECIMEN DRAINS THIEM TEST
TILE SPACING
WATER LEVELS
-- WATER MANAGEMENT
-- WATER TABLE -- SUBDRAINS -- WATER WELLS
WELL SPACING
WELL THEORY
WELL YIELD TILE DRAINS TOE DRAINS TRENCH DRAINS VERTICAL DRAINS WELLPOINTS RT-- CANALS -- CHANNELS WELLS CLAY PIPES
-- CONCRETE PIPES
-- CONDUITS WITHDRAWAL DRAWDOWN CURVES BT CURVES CULVERTS PROFILES
WATER SURFACE PROFILES -- DAM DESIGN RT-- DRAINAGE -- DRAWDOWN DITCHES DRAIN TILES -- FLUID FLOW OPEN CHANNEL FLOW -- DRATNAGE DRAINAGE BLANKETS
DRAINAGE CANALS
DRAINAGE PIPES
-- DRAINAGE SYSTEMS OVERFALLS PHREATIC LINE -- PUMPING RESERVOIR OPERATION -- DRAINAGE WELLS FILTER MATERIALS -- WATER WELLS -- WELLS FILTER MATERIALS
FILTERS
GUTTERS (PAVEMENTS)
INFILTRATION (SOILS)
IRRIGATION
LATERALS
OVERBELOW DRAWING 6
RT DRAFTING (DRAWING) RAWINGS 1 6
NT ENGINEERING DRAWINGS
RT--CHARTS
CROSS SECTIONS
--DIAGRAMS DRAWINGS OVERFLOW OVERPLON
-- PIPES
-- POROUS CONCRETE PIPES
RELIEF WELLS
SEEPAGE CONTROL DESIGN
SEEPAGE PRESSURE GRAPHICAL METHODS DREDGE SPOIL 1 2 7 use DREDGED MATERIAL STORM SEWERS SUMPS DREDGED MATERIAL 1 2 7
NOTE: Material removed in the excavation or dredging in the construction of access canals, boat or navigation channels, drainage ditches and in the rejuvenation of senescent WATER MAINS WATER PIPELINES WEEP HOLES WELLPOINTS DRAWBAR PULL 5 UF PULL (VEHICLES) RT DRAG DYNAMOMETERS
PERFORMANCE TESTS (VEHICLES)
SLOFE PERFORMANCE
TRACTION
- VEHICLE PERFORMANCE
VEHICLE SPECIFICATIONS
- VEHICLE TESTS lakes
UF DREDGE SPOIL
BT SPOIL
RT DREDGED MATERIAL DISPOSAL - DREDGES DREDGING DREDGED MATERIAL DISPOSAL BT SPOIL DISPOSAL RT DREDGED MATERIAL NAMEDOWN 1 2 NT RAPID DRAWDOWN RT-AQUIFERS CONVERGING FLOW DRAWDOWN WASTE DISPOSAL DREDGES GES 1 2 EARTH HANDLING EQUIPMENT EXCAVATORS DEEP WELL PUMPS
DEEP WELLS (DEWATERING)
-- DEPLETION
DEWATERING CUTTERHEAD DREDGES DUSTPAN DREDGES HOPPER DREDGES PIPELINE DREDGES - DRAINAGE
DRAWDOWN CURVES
- FIELD PERMEABILITY TESTS
FLOOD CONTROL
GROUNDWATER CONTROL (EXCAVA-BACKHOES CLAMSHELLS GROUNDWATER CONTROL (I TION) GROUNDWATER DEPLETION GROUNDWATER FLOW GROUNDWATER LOWERING HYDRAULIC GRADIENTS OBSERVATION WELLS CONSTRUCTION EQUIPMENT DRAGLINES DREDGED MATERIAL DREDGING HYDRAULIC FILLS
-- UNDERWATER EXCAVATION OIL WELLS PHREATIC LINE

DREDGING 1 2 7
NOTE: Removal of soils from under water EXCAVATION UNDERWATER EXCAVATION
RT-BORROW AREAS
CHANNEL IMPROVEMENT
CHANNEL STABILIZATION -- CHANNELS DESILTING
DREDGED MATERIAL
DREDGES
PLOOD PROTECTION
HARBOR ENGINEERING
HYDRAULIC EXCAVATION
HYDRAULIC FILL DAMS
HYDRAULIC FILLS
PIPELINE DREDGES
RIVER ENGINEERING
RIVER REGULATION
RIVER TRAINING
SPOIL DESILTING -- SPOIL SPOIL BANKS -- WATERWAYS (TRANSPORTATION) RIFT 1 2 NOTE: Surface material of any sort deposited by geological processes in one place after having been removed from another
UF DILLUVIUM
BT GEOLOGICAL DEPOSITS
NT GLACIAL DRIFT
LITTORAL DRIFT DRIFT BOTTLES RIFT BOTTLES 1 RT HYDROLOGIC DATA DRIFTS (MINING) 2
NOTE: Small tunnel to connect
two larger tunnels, used for
excavation purposes
RT ADITS
-- EXCAVATION
-- TREMCHES
TUNNEL CONSTRUCTION DRILL BITS 2
BT DRILLING EQUIPMENT
RT--CORE BORING SAMPLERS -- CORES DIAMOND BIT CORE BARRELS DRILL HOLE TV CAMERAS 1 use BOREHOLE TV CAMERAS DRILL HOLES 1 2 3 4 use BOREHOLES DRILL RIGS 2
BT DRILLING EQUIPMENT
NT PERCUSSION DRILL RIGS
ROTARY DRILL RIGS
RT-- DRILLING -- SAMPLING DRILL RODS BT DRILLING EQUIPMENT RT-- BORING -- DRILLING FIELD VANE SHEAR EQUIPMENT DRILLED- IN CAISSONS 2 UF BORED CAISSONS BT CAISSONS RT-- DRILLING H PILES -- METAL PIPES DRILLED PIER POUNDATIONS
BT DEEP POUNDATIONS
FOUNDATIONS
RT CAISSON POUNDATIONS
PIERS (SUPPORTS)
PILE POUNDATIONS

DRILLING 1 2 3 4

NT CORE DRILLING
EXPLOSIVE DRILLING
OFFSHORE DRILLING
PERCUSSION DRILLING
PERCUSSION DRILLING
ROCK DRILLING
-- ROTARY DRILLING
RT BENTONITE SLURRY METHOD
POREFIOLES BOREHOLES -- BORING CALYX BORING
-- CASINGS (DRILLING)
-- DRILL RIGS
DRILL RODS DRILLED IN CAISSONS
DRILLING BARGES
- DRILLING EQUIPMENT
DRILLING FLUIDS
- EXCAVATION
EXPLORATION - EXPLORATION
- EXPLOSIVES
POUNDATION INVESTIGATIONS
- GEOLOGICAL INVESTIGATIONS
- MINES (EXCAVATIONS)
- MINING
- PENETRATION PETROLEUM ENGINEERING ROCK MECHANICS ROCK MELTING PENETRATORS - SAMPLERS -- SAMPLING -- SUBSURFACE EXPLORATION -- SURVEYING DRILLING BARGES 1 2
RT DELONG PIERS
-- DRILLING
-- DRILLING EQUIPMENT
FLOATING STRUCTURES
OFFSHORE DRILLING PETROLEUM ENGINEERING DRILLING EQUIPMENT 1 2 3 NT BAILERS -- CASINGS (DRILLING) DRILL BITS -- DRILL RIGS DRILL RODS PERCUSSION DRILL RIGS ROTARY DRILL RIGS SAND PUMPS RT--CONSTRUCTION EQUIPMENT -- DRILLING DRILLING BARGES PETROLEUM ENGINEERING -- SAMPLERS DRILLING FLUIDS 1 UF DRILLING MUD RT BARITE BENTONITE SLURRY METHOD BORING CALCIUM CHLORIDES CLAY SUSPENSIONS -- CLAYS CORE DRILLING -- DRILLING -- EMULSIONS HEMATITE MONTMORILLONITE MUD -- ROTARY DRILLING SLURRIES SODIUM SILICATES SOIL ADMIXTURES TEST HOLES VISCOSITY WASH BORING

DRIVEWAYS DRILLING MUD 1 2 3 RT- - PAVEMENTS STREETS DRILLING OF ROCKS 2 3 4 DRIVING CAPS 2
UF PILF WELMETS
RT-- PILE DRIVING DRIVE CYLINDER METHOD 2 5
BT FIELD CONTROL TESTS (SOILS)
FIELD TESTS DRIVING SHOES (PILES) 2
RT-PILE DRIVING
POINT RESISTANCE (PILES) FIELD UNIT WEIGHT DETERMINA-TION UNIT WEIGHT DETERMINATION
RT--SOIL DENSITY MEASURING DEVICES DROP CONE PENETROMETERS
BT CONE PENETROMETERS
PENETROMETERS VOLUME MEASURE TRAFFICABILITY TEST INSTRU-MENTS
RT SNOW STRENGTH
SNOW TRAFFICABILITY DRIVE SAMPLERS 2 5 NOTE: Tubes forced into the soil in a unilateral motion BT SAMPLERS IN a Unilateral motion

BT SAMPLERS
SOIL SAMPLERS
NT DISPLACEMENT SAMPLERS
FIXED PISTON SAMPLERS
FREE PISTON SAMPLERS
HYDRAULIC PISTON SAMPLERS
-- PERCUSSION DRIVE SAMPLERS
-- PERCUSSION DRIVE SAMPLERS
SHORT FISTON SAMPLERS
SHORT FISTON SAMPLERS
SPLIT SPOON SAMPLERS
SWEDISH FOIL SAMPLERS
THICK WALL OPEN SAMPLERS
THIN WALL SAMPLERS
THIN WALL SAMPLERS
RT DRIVE TUBE BORING
PENTRATION RESISTANCE (SOILS)
SEDIMENT SAMPLERS
SEDIMENT SAMPLING DROP HAMMER PENETROMETERS 5 PENETROMETERS
SOIL STRENGTH TEST INSTRU-MENTS NT RAMMSONDE PENETROMETER
RT PENETRATION RESISTANCE (SOILS) DROP INLET SPILLWAYS
BT SPILLWAYS DROP SPILLWAYS
BT SPILLWAYS DROP STRUCTURES
RT--CANALS CHUTE BLOCKS
DENTATED SILLS
ENERGY DISSIPATORS (HYDRAULIC
STRUCTURES) DRIVE SYSTEMS 5 NT ELECTRIC DRIVES HYDRAULIC JUMP WATER LEVELS FOUR WHEEL DRIVES FRONT WHEEL DRIVES HYDRAULIC DRIVES
ELECTRIC WHEELS
POWER WHEELS
TRANSMISSION DESIGN DROP TESTS (IMPACT TESTS)
use IMPACT TESTS DROP TESTS (WEAPONS)
RT AERIAL MINES TRANSMISSIONS VEHICLE SPECIFICATIONS LAUNCHING DRIVE TUBE BORING DROPWISE CONDENSATION 1
BT CONDENSATION
RT DESALTING PROCESSES BT BORING RT-- DRIVE SAMPLERS SOIL SAMPLING DISTILLATION DRIVEN PILES 2 3 NOTE: Piles driven into the soil by the blows of a hammer BT DISPLACEMENT PILES DROUGHTS ROUGHTS 1 6 7 RT ARID REGIONS -- CLIMATOLOGY -- HYDROLOGY PILES RT--BORED PILES -- METEOROLOGY -- PRECAST CONCRETE PILES
-- STEEL PILES -- PRECIPITATION (METEOROLOGY) -- RUNOFF -- TIMBER PILES WATER STORAGE DRIVEN PROBE TESTS 2
NOTE: Cone penetrometer is
driven continuously to refusal
into the soil with a drop -- WEATHER MODIFICATION DRUM GATES BT HYDRAULIC GATES
RT AIR CHAMBERS
FLOODGATES hammer
UF PROBE POINT PENETROMETER TESTS
BT DYNAMIC PENETRATION TESTS
(FIELD)
FIELD SOIL PENETRATION TESTS
FIELD TESTS SECTOR GATES DRUMLINS 2
NOTE: Elongated or oval hills
of glacial drift
BT GLACIAL FEATURES
RT ESKERS SOIL PENETRATION TESTS
RT DYNAMIC COME PENETRATION
TESTS (FIELD)
STANDARD PENETRATION TESTS GLACIAL TILL DRIVER RESPONSE UP HUMAN TOLERANCE TO VIBRATION RT HUMAN PACTORS ENGINEERING MORAINES DRY BEDS RIDE DYNAMICS BT BEDS RT ARID SAFETY VEHICLE STABILITY VIBRATION EFFECTS (VEHICLES) ARID LANDS

EPHEMERAL STREAMS LAKE BEDS STREAM BEDS

DUCTS (Con.)
RT COOLING SYSTEMS
INTAKE STRUCTURES RY DENSITY 2
BT DENSITY (MASS/VOLUME)
NT MAXIMUM DRY DENSITY DRY DENSITY -- INTAKES DOCKS 1 2 3
DOCKS
HARBOR FACILITIES
HARBOR STRUCTURES
MARINE STRUCTURES -- OUTLETS DRY DOCKS -- PIPES STEEL PIPES VENTILATION DUMPED FILLS 1 2 BT FILLS FLOATING DOCKS
FLOATING STRUCTURES
- LOCKS (WATERWAYS)
MARINE ENGINEERING BT FILLS

RT--COFFERDAMS

DIKES (EMBANKMENTS)

EARTH DAM CONSTRUCTION

--EMBANKMENTS PONTOON GATES LEVEES ROCK BLANKETS DRY ICE 2 NOTE: Solid carbon dioxide used ROCK FILLS
ROCKFILL DAM CONSTRUCTION as a refrigerant
RT ARTIFICIAL FREEZING
PREEZE- THAW TESTS DUNES DRY STRENGTH TESTS (SOILS) 2
BT FIELD TESTS
HAND TESTS
RT DILATANCY TESTS
SURFACE TESTS (SOILS)
TOUGHNESS TESTS (SOILS)
UNIFIED SOIL CLASSIFICATION
SYSTEM UF SAND DUNES
BT TOPOGRAPHIC FEATURES RT-- AEOLIAN DEPOSITS AEOLIAN SANDS BEACH EROSION BEACH SANDS - BEACHES
COASTAL MORPHOLOGY
- COASTAL TOPOGRAPHIC FEATURES
COASTS RYING 1 2 3 6
RT ABSORPTION
CONCRETE DRYING DRYING DEPOSITION DESERT DEPOSITS -- GEOMORPHOLOGY -- SANDS CURING DEHYDRATION SANDY SOILS SHORE PROTECTION DESICCATION DESICCATION WIND ACTION GEOLOGY WIND EROSION DEWATERING DIFFUSION EFFLORESCENCE EVAPORATION DUPUIT- FORCHHEIMER THEORY RT--HYDROLOGIC MODELS LAPLACE EQUATION EVAPOTRANSPIRATION KILNS LINEAR SHRINKAGE MOISTURE PERMEABILITY POROUS MEDIA MOISTURE
SELF DESICCATION
--SHRINKAGE
SHRINKAGE CRACKING
SHRINKAGE INDEX
SHRINKAGE LIMIT
SHRINKAGE LIMIT TESTS DUPUITS EQUATION RT-- GROUNDWATER FLOW -- PERMEABILITY POROUS MEDIA WELL THEORY SOIL SHRINKAGE SPREADERS BT MECHANICAL PROPERTIES NT CONCRETE DURABILITY DURABILITY TRANSPIRATION
WETTING AND DRYING TESTS ROCK DURABILITY
ABRASION RESISTANT COATINGS
ACID RESISTANCE
AGGREGATE TESTS DRYING SHRINKAGE (CONCRETE) 3 use CONCRETE DRYING SHRINKAGE CATHODIC PROTECTION
-- CHEMICAL ATTACK DRYING SHRINKAGE TESTS 3
BT CONCRETE TESTS
RT CONCRETE DRYING SHRINKAGE CORROSION RESISTANCE -- DAMAGE ra 2 3 use DIFFERENTIAL THERMAL ANALYSIS -- DETERIORATION
-- EROSION FATIGUE (MATERIALS)
-- PROTECTIVE COATINGS DUAL WHEELS 5 QUALITY RELIABILITY DUCTILITY 2 3 6
BT MECHANICAL PROPERTIES
RT COMCRETE WORKABILITY
--CREEP PROPERTIES
--CREEP TESTS
FATIGUE (MATERIALS)
FATIGUE TESTS
--HARDNESS
TARGET STREENATH SPALLING - STABILITY VULNERABILITY -- WEAR DURABILITY TESTS 5
RT ABRASION RESISTANT COATINGS
ABRASION TESTS
ACCELERATED TRAFFIC TESTS
AGGREGATE TESTS
ENDURANCE TESTS (VEHICLES)
FATIGUE TESTS
ENERGY TESTS - HARDMEST IMPACT STRENGTH PLASTICITY - SHEAR PROPERTIES STRESS RELAXATION - TENSILE PROPERTIES - TENSION TESTS FREEZE- THAW TESTS TIRE TESTS VEHICLE TESTS -- WEAR TESTS TOUGHNESS

DUCTS 1 2 3 4

DURATION CURVES 1
RT DEPTH AREA- DURATION ANALYSIS
FLOW DURATION
FLOW DURATION CURVES
HYDROLOGIC DATA
MASS CURVES
-- RUNOFF
RUNOFF FORECASTING DYE RELEASES RT DYE DISPERSION FLUORESCEIN FLUORESCENCE
-- FLUORESCENT DYES
-- HYDRAULIC MODELS
MARKING TECHNIQUES PONTACYL BRILLIANT PINK TAGGING -- TIDAL MODELS -- TRACERS DUST 2 3 5 6 7 NT CEMENT DUST TRACKING TECHNIQUES URANIN AEROSOLS AIR POLLUTION AIRBORNE WASTES BLOWING SAND OR DUST COMBUSTION PRODUCTS TES 1 2 3 NT-- FLUORESCENT DYES PONTACYL BRILLIANT PINK CONTAMINANTS DUST CONTROL
-- DUST CLOUDS
-- EMISSIONS
PARTICULATES URANIN COAL TAR COLORS (MATERIALS)
DYE DISPERSION
DYE RELEASES
ESTUARY MODELS
-- FLUORESCEIN PESTICIDE DRIFT POWDER (PARTICLES) SMOKE -- HYDRAULIC MODELS - PIGMENTS
SODIUM NITRATES
SODIUM SULFATES
SULFUR
TIDAL MODELS
- TRACERS DUST CLOUDS 2
RT--AEOLIAN DEPOSITS
BLOWING SAND OR DUST DUST WIND ACTION GEOLOGY DUST COLLECTORS 3
RT CEMENT DUST
PNEUMATIC CONVEYORS DYNAMIC BEARING CAPACITY 2 3 5
BT BEARING CAPACITY
NT DYNAMIC BEARING CAPACITY NT DYNAMIC BEARING CAPACITY
(PILES)

RT-DYNAMIC LOADS
FOUNDATION VIBRATIONS
HORIZONTAL OSCILLATIONS
MACHINE FOUNDATIONS
- MECHANICAL PROPERTIES
SOIL DYNAMICS
- SOIL PROPERTIES
TORSIONAL OSCILLATIONS
TRANSIENT STRESS
VERTICAL OSCILLATIONS
WEAPON FOUNDATIONS JST CONTROL 1 2 3 5 6
UF DUSTPROOFING
RT AIR CONDITIONING
AIR FILTERS
BITUMINOUS COATINGS
BIOWING SAND OF DUST DUST CONTROL BLOWING SAND OR DUST CALCIUM CHLORIDES COAL TAR DECONTAMINATION DUST ELECTROSTATIC PRECIPITATION EPOXY COATINGS LIQUID ASPHALT MEMBRANES (AIRFIELDS) ROCKET EXHAUST DYNAMIC BEARING CAPACITY (PILES) BEARING CAPACITY (PILES)
BEARING CAPACITY
DYNAMIC BEARING CAPACITY
PILE BEARING CAPACITY
-- DYNAMIC LOADS
DYNAMIC PILE DRIVING FORMULAS - SOIL STABILIZATION SURFACE TREATMENT (ROADS) WETTING DUST STORMS 1 DYNAMIC CONE PENETRATION TESTS
(FIELD) 2
BT COME PENETRATION TESTS
DYNAMIC PENETRATION TESTS BT STORMS RT SOIL EROSION STORMS DUSTING (CONCRETE) 3
RT CONCRETE COATINGS
CONCRETE FLOORS FIELD SOIL PENETRATION TESTS
FIELD SOIL PENETRATION TESTS
FIELD TESTS
SOIL PENETRATION TESTS
RT DRIVEN PROBE TESTS
STANDARD PENETRATION TESTS DUSTPAN DREDGES BT DREDGES DUSTPROOFING 1 2 3 5 6 use DUST CONTROL DYNAMIC EQUILIBRIUM use EQUILIBRIUM DUTCH PENETROMETERS 2 BT CONE PENETROMETERS NOTE: Study of the causes and processes of geological change BT GEOLOGY DYNAMIC GEOLOGY PENETROMETERS
PE RT--EARTH MOVEMENTS EARTHQUAKES VELLINGS 3 4 USE RESIDENTIAL BUILDINGS DWELLINGS -- GEODYNAMICS GEOPHYSICS -- PHYSICAL GEOLOGY SEISMOLOGY DYE DISPERSION RT DYE RELEASES -- TECTONICS DYNAMIC LOAD SIMULATORS
BT SIMULATORS
NT--AIR BLAST SIMULATORS
--BLAST SIMULATORS -- FLUORESCENT DYES TAGGING TIDAL MODELS -- TRACERS TRACKING TECHNIQUES

AMIC PRESSURE (Con.)
-- DYNAMIC LOADS
-- EXPLOSION EFFECTS
-- NUCLEAR EXPLOSION EFFECTS
NUCLEAR WEAPONS EFFECTS
OVERPRESSURE DYNAMIC PRESSURE DYNAMIC LOADING 1 use DYNAMIC LOADS 1 2 3 4 5 6 DYNAMIC LOADS 1 2 3
BT LOADS (FORCES)
NT AERODYNAMIC LOADS
ALTERNATING LOADS
BLAST LOADS
GUST LOADS 2 3 4 5 6 DYNAMIC PROGRAMMING 6
BT MATHEMATICAL PROGRAMMING
OPERATIONS RESEARCH
RT COMPUTER PROGRAMMING GUST LOADS
-IMPULSIVE LOADS
REPETITIVE LOADS
TRANSIENT LOADS
TRANSIENT LOADS
VIBRATORY LOADS
AERODYNAMICS
BLAST LOAD GENERATORS
-CONTACT PRESSURE (VEHICLES) LINEAR PROGRAMMING
-- MATHEMATICAL MODELS
OPERATIONS RESEARCH SIMULATION DYNAMIC PROPERTIES 4
RT-MECHANICAL PROPERTIES -- DAMPING
-- DYNAMIC BEARING CAPACITY
DYNAMIC BEARING CAPACITY DYNAMIC RESISTANCE 1 2 3 4 RT-- DAMPING
-- DYNAMIC LOADS
DYNAMIC RESPONSE (PILES) (PILES)
DYNAMIC MODULUS OF ELASTICITY
DYNAMIC PILE DRIVING FORMULAS
DYNAMIC PRESSURE
DYNAMIC RESPONSE
DYNAMIC RESPONSE
DYNAMIC STABILITY
DYNAMIC STRESS MEASUREMENT -- DYNAMICS DYNAMIC RESPONSE 1 2 3 4 RT-- DAMPING
-- DYNAMIC LOADS
DYNAMIC RESISTANCE
DYNAMIC STABILITY - DYNAMICS EARTHQUAKES FATIGUE TESTS DYNAMICS DYNAMOMETERS FOUNDATION VIBRATIONS
GROUND MOTION
GROUND SHOCK
ICE LOADS DYNAMOMETERS
EARTHQUAKE DAMAGE
--EXPLOSION EFFECTS
NATURAL FREQUENCY
RESONANT FREQUENCY IMPACT STRENGTH IMPACT TESTS SHOCK TESTS IMPACT TESTS
LATERAL PRESSURE
LIVE LOADS
LOAD DISTRIBUTION
PULSE PROPAGATION TESTS
RESONANCE TESTS
SOIL DYNAMICS
WIND PRESSURE SOIL DYNAMICS SOIL-STRUCTURE INTERACTION DYNAMIC SOUNDING TESTS (FIELD) use DYNAMIC PENETRATION TESTS
(FIELD) DYNAMIC STABILITY 1
RT-DAMPING
-DYNAMIC LOADS
DYNAMIC RESPONSE DYNAMIC MODULUS OF ELASTICITY 2 3 4
BT MECHANICAL PROPERTIES
MODULUS OF DEFORMATION
MODULUS OF ELASTICITY
RT DAMPING CAPACITY
-- DYNAMIC LOADS
-- DYNAMIC TESTS EARTHQUAKE RESISTANT STRUCTURES
-- STABILIZATION -- STRUCTURAL STABILITY DYNAMIC STRESS MEASUREMENT 2 3 4 5
BT STRESS MEASUREMENT
RT-- DYNAMIC LOADS
-- PRESSURE CELLS ELASTICITY IMPACT TESTS - NONDESTRUCTIVE TESTS
PULSE PROPAGATION TESTS
RESONANCE TESTS SOIL DYNAMICS
STATIC STRESS MEASUREMENT
STRESS GAGES (SOILS)
STRESS METERS SONIC TESTS DYNAMIC PENETRATION TESTS (FIELD)
UF DYNAMIC SOUNDING TESTS (FIELD)
BT FIELD SOIL PENETRATION TESTS
FIELD TESTS DYNAMIC STRUCTURAL ANALYSIS
UF STRUCTURAL DYNAMICS
BT STRUCTURAL ANALYSIS
RT--COMPATIBILITY METHODS FIELD TESTS
SOIL PEMETRATION TESTS
PRIVEN PROBE TESTS
DYNAMIC COME PEMETRATION
TESTS (FIELD)
STANDARD PEMETRATION TESTS
PEMETRATION RESISTANCE BORING
-- STATIC PEMETRATION TESTS
(FIELD) -- DYNAMICS - DYMANICS
ELASTIC ANALYSIS
- EMERGY METHODS
- MATRIX METHODS
STATIC STRUCTURAL ANALYSIS
STATICALLY DETERMINATE
STATUCALLY DETERMINATE STRUCTURES DYNAMIC PILE DRIVING FORMULAS 2
RT DYNAMIC BEARING CAPACITY (PILES)
-- DYNAMIC LOADS
IMPACT PILE DRIVING
-- PILE BEARING CAPACITY
-- PILE DRIVING
-- PILE DRIVING
-- PILE HAMMERS
STATIC PILE FORMULAS STATICALLY INDETERMINATE STRAIN ENERGY METHODS DYNAMIC TESTS 2 3 4 5
NOTE: Use of a more specific
term is recommended; consult
the terms listed below
COMPACTION TESTS
COMPRESSION TESTS DYNAMIC PRESSURE 4
BT PRESSURE
RT BLAST EPFECTS
BLAST LOAD GENERATORS CONCRETE TESTS
DIRECT SHEAR TESTS
DROP TESTS (WEAPONS)

**

BLAST LOADS

DYNAMIC TESTS (Con)
DYNAMIC LOADS
DYNAMIC PENETRATION TESTS
(FIELD)
DYNAMICS (FIELD)
DYNAMICS
FATIGUE TESTS
FIELD TESTS
HARDNESS TESTS
HIGH TEMPERATURE TESTS
IMPACT LOAD TESTS
IMPACT TESTS
LOADING RATE
LOW TEMPERATURE TESTS
NONDESTRUCTIVE TESTS
PLASTICITY TESTS
PULSE PROPAGATION TESTS
RADIOM VIERATION TESTS
RADIOM VIERATION TESTS
RESONANCE TESTS
SHACE TABLE TESTS
SHACE TABLE TESTS
SHOCK TESTS
SIMPLE SHEAR TESTS
SOIL DYNAMICS
SONIC TESTS
SOIL DYNAMICS
SONIC TESTS
STATIC TESTS
SURPACE VIBRATOR TESTS
SWEEP- PREQUENCY VIBRATION
TESTS
TENSION TESTS
TORSION TESTS TESTS
TENSION TESTS
TORSION TESTS
TORSIONAL SHEAR TESTS
TRAFFIC TESTS
TRIAXIAL SHEAR TESTS
UNIAXIAL COMPRESSION TESTS
(ROCK)
VEHICLE DYNAMICS
VIBRATORY PLATE BEARING
TESTS TESTS WEAR TESTS DYNAMICS 1 2 3 4 5 6
NOTE: Branch of mechanics which
deals with the motions of bodies
and the ways in which those motions are influenced by applied tions are influenced by applie forces
NT KINEMATICS
KINETICS
RIDE DYNAMICS
SOIL DYNAMICS
-- VEHICLE DYNAMICS
AERONAUTICS
-- DYNAMIC LOADS
DYNAMIC LOADS
DYNAMIC RESISTANCE
DYNAMIC RESISTANCE
DYNAMIC STRUCTURAL ANALYSIS
EQUATIONS OF MOTION
FLUID DYNAMICS
-- FLUID MECHANICS
-- HYDRAULICS
NEWTONS LAW OF MOTION
-- STATICS
THERMODYNAMICS
THERMODYNAMICS
THERMODYNAMICS
THERMODYNAMICS THERMODYNAMICS VIBRATION EFFECTS (VEHICLES)
VIBRATIONS VIBRATIONS (VEHICLES)

DYMAMITE 2 4
BT EXPLOSIVES
RT DEMOLITION
MITROGLYCERIN
SODIUM NITRATES

DYNAMOMETERS 1 2 3 4 5
NOTE: Instruments for measuring
power
BT MEASURING INSTRUMENTS
YEHICLE TEST INSTRUMENTS
RT DRAWBAR PULL
DYMAMIC RESPONSE
-- GAGES
-- TENSION TESTS

DYSTROPHY 1 7
NOTE: Imperfect or faulty nutrition, as in lakes and bogs
RT EUTROPHICATION
-- NUTRIENTS
OLIGOTROPHY
OXYGEN
-- PRODUCTIVITY
STAGNANT WATER
STREAM POLLUTION
-- SURPACE WATERS
-- WATER POLLUTION
WATER PROPERTIES
WATER QUALITY

EARLY STIFFENING TESTS
BT CONCRETE TESTS
RT STIFFNESS EARTH DAM PERFORMANCE (Con.) EMBANKMENT PIEZOMETERS
HORIZONTAL MOVEMENT DEVICES
ROCKFILL DAM PERFORMANCE
--SLOPE FAILURES EARTH-AIR INTERFACES --SLOPE PROTECTION SLOPE STABILITY use AIR-EARTH INTERFACES EARTH COFFERDAMS BT COFFERDAMS TOE FAILURES VERTICAL MOVEMENT DEVICES DAMS RT--EARTH DAMS EARTH DAM SEEPAGE 1 2 EARTH FILLS ROCKFILL COFFERDAMS BT SEEPAGE RT CHIMNEY DRAINS CHIMMEY DRAINS
CORE WALLS
CORES (DAMS)
DAM UNDERSEE PAGE
EARTH DAM DESIGN
EARTH DAM INSTRUMENTATION
EARTH DAM PERFORMANCE EARTH CRUST LITHOSPHERE CONTINENTAL DRIFT EARTH (PLANET) EARTH SURFACE EARTH TIDES -EARTH DAMS IMPERVIOUS BLANKETS ISOSTASY LEVEE SEEPAGE ROCKFILL DAM SEEPAGE MANTLE (GEOLOGY) EARTH DAM CONSTRUCTION TOE DRAINS BT CONSTRUCTION DAM CONSTRUCTION EARTH DAM SETTLEMENT BT DEFORMATION 1 2 DAM CONSTRUCTION
EMBANKMENT CONSTRUCTION
I--BORROW AREAS
COMPACTION CONTROL (SOILS)
--COMPACTION (SOILS)
DUMPED FILLS
EARTH DAM DESIGN
EARTH DAM INSTRUMENTATION
--FABRU DAMS SETTLEMENT RT EARTH DAM DESIGN EARTH DAM INSTRUMENTATION EARTH DAM PERFORMANCE ROCKFILL DAM SETTLEMENT ARTH DAMS 1 2 3 4 UF EARTHFILL DAMS ROLLED FILL DAMS -- EARTH DAMS EARTH DAMS -- EARTH HANDLING EQUIPMENT EARTHWORK
--FIELD CONTROL TESTS (SOILS)
--FIELD UNIT WEIGHT
DETERMINATION
--FIELD WATER CONTENT
DETERMINATION
LEVEE CONSTRUCTION NT HYDRAULIC FILL DAMS RT--COFFERDAMS CORE WALLS CORES (DAMS)
DAM FACINGS
DIVERSION DAMS EARTH COFFERDAMS
EARTH DAM CONSTRUCTION
EARTH DAM DESIGN
EARTH DAM INSTRUMENTATION
EARTH DAM PERFORMANCE
EARTH DAM SEEPAGE MOISTURE CONTROL
--REMOLDED SOILS ROLLED FILLS STABILITY BERMS EARTH DAM DESIGN 1 2 BT DAM DESIGN DESIGN EARTH DAM SETTLEMENT EARTH FILLS DESIGN
EMBANKMENT DESIGN
EARTH DAM CONSTRUCTION
EARTH DAM INSTRUMENTATION
EARTH DAM PERFORMANCE
EARTH DAM SEEPAGE
EARTH DAM SETTLEMENT EARTH-ROCK MIXTURES -EMBANKMENTS FLOW NETS
GRAVEL BLANKETS
GRAVITY DAMS
--IMPERVIOUS CUTOFFS --EARTH DAMS LEVEE DESIGN LEVEES NAVIGATION DAMS ROCKFILL DAM DESIGN SEEPAGE CONTROL DESIGN --SLOPE STABILITY ANALYSIS PHREATIC LINE
RAPID DRAWDOWN
--RIPRAP
ROCKFILL DAMS SEEPAGE CONTROL SLOPE PROTECTION SOIL CEMENT EARTH DAM INSTRUMENTATION BT DAM INSTRUMENTATION DAM INSTRUMENTATION
EARTH DAM CONSTRUCTION
EARTH DAM PERFORMANCE
EARTH DAM SEEPAGE
EARTH DAM SETTLEMENT
-EARTH DAMS EARTH FILLS 1 2 4 7 UF EARTHFILLS LANDFILLS -EARTH DAMS

EMBANKMENT PIEZOMETERS

HORIZONTAL MOVEMENT DEVICES

ROCKFILL DAM INSTRUMENTATION

VERTICAL MOVEMENT DEVICES ARTIFICIAL ISLANDS BACKFILLS -- COMPACTED FILLS -- DISPOSAL EARTH COFFERDAMS
--EARTH DAMS
--EARTH HANDLING EQUIPMENT
HYDRAULIC FILLS EARTH DAM PERFORMANCE BT DAM PERFORMANCE RT BASE FAILURES 1 2 EARTH DAM DESIGN EARTH DAM INSTRUMENTATION EARTH DAM SEEPAGE EARTH DAM SETTLEMENT LEVEES PRELOAD FILLS SANITARY FILLS SIDEHILL FILLS

-- EARTH DAMS

EARTH HANDLING EQUIPMENT 2

UF EARTH HANDLING MACHINERY
EARTH MOVING EQUIPMENT

BT CONSTRUCTION EQUIPMENT

BACKHOES

BACKHOES EARTH MOVEMENTS 2 3 4 NOTE: Differential movement of the earth's crust due to internal stress, resulting in deformation; local in deformation; local
elevation or subsidence of
land. Displacement of
ground due to passage of
elastic waves, including
those caused by artificial
means, will be found under
GROUND MOTION
NT-FLOW SLIDES BELT CONVEYORS BUCKET CONVEYORS BULLDOZERS CAISSON EXCAVATORS CLAMSHELLS --CONVEYORS DRAGLINES --DREDGES --LANDSLIDES
--MASS WASTING
MUD FLOWS
ROCKSLIDES -- EXCAVATORS GRADERS HYDRAULIC CONVEYORS
PIPELINE DREDGES
POWER SHOVELS
ROCK CRUSHERS ROTATIONAL SLIDES --SLIDES SCARIFIERS
SCRAPERS
--SHOVELS (CONSTRUCTION
EQUIPMENT) SOLIFLUCTION SUBSIDENCE TRANSLATORY SLIDES TRANSLATORY SLIDES
CREEP
--DIASTROPHISM
DYNAMIC GEOLOGY
EARTH OSCILLATIONS
EARTHQUAKES EQUIPMENT)
TUNNELING MACHINES
WHEEL EXCAVATORS
AIRFIELD CONSTRUCTION
AIRFORT CONSTRUCTION
CANAL CONSTRUCTION
CRANES (HOISTS)
CUTTING BLADES
-EARTH DAM CONSTRUCTION
EARTH FILLS
EARTHWORK
-EMBANKENT CONSTRUCTION --GEODYNAMICS
--GEOLOGIC STRUCTURES -- GROUND MOTION OROGENY --SETTLEMENT TECTONICS --EMBANKMENT CONSTRUCTION
--EXCAVATION EARTH MOVING 1 2 3 4 5 use EARTHWORK --FOUNDATION CONSTRUCTION
HELIPORT CONSTRUCTION
LANDING FIELD CONSTRUCTION
LEVEE CONSTRUCTION EARTH MOVING EQUIPMENT 2 4 5 use EARTH HANDLING EQUIPMENT -LOADERS
PROTECTIVE CONSTRUCTION EARTH OSCILLATIONS 2 4

UF SPHEROIDAL OSCILLATIONS
OF THE EARTH
TORSIONAL OSCILLATIONS
OF THE EARTH
BT OSCILLATIONS
RT--EARTH MOVEMENTS
EARTH (PLANET)
EARTH TIDES
EARTHUSES RAPID EARTH CONSTRUCTION RESERVOIR CONSTRUCTION -ROAD CONSTRUCTION
ROCKFILL DAM CONSTRUCTION
TUNNEL CONSTRUCTION
--UNDERGROUND CONSTRUCTION EARTH HANDLING MACHINERY 5
use EARTH HANDLING EQUIPMENT EARTHQUAKES --GROUND MOTION EARTH HYDROSPHERE 1 UF HYDROSPHERE (EARTH) EARTH PHYSICS HYDROGEOLOGY use SOIL PHYSICS NOTE: Usually limited to lateral earth pressure UF LATERAL SOIL PRESSURE BT PRESSURE NT ACTIVE FARTH --HYDROLOGY EARTH PRESSURE OCEANS --STREAMS EARTH INTERIOR 2 RT EARTH (PLANET) PRESSURE ACTIVE EARTH PRESSURE AT-REST EARTH PRESSURE PASSIVE EARTH PRESSURE ARCHING IN SOILS EARTH-LINED CANALS CANALS
CANALS
LINED CANALS
BANK EROSION
CANAL LININGS
EARTH LININGS BRACED EXCAVATION -BULKHEADS COEFFICIENT OF EARTH PRESSURE IMPERVIOUS BLANKETS IMPERVIOUS SOILS EARTH PRESSURE MEASURE-EARTH PRESSURE MEASURE— MENT == SARTH PRESSURE THEORIES == EMBANKMENT DESIGN HORIZONTAL LOADS HORIZONTAL MOVEMENT UNLINED CANALS EARTH LININGS 1 2 LININGS 1 2 LININGS CANAL LININGS EARTH-LINED CANALS IMPERVIOUS BLANKETS IMPERVIOUS LININGS DEVICES HYDROSTATIC PRESSURE LAGGING LATERAL PRESSURE --LINED CANALS
PERVIOUS LININGS
RESERVOIR LININGS LATERAL STRAIN LATERAL YIELD LOAD DISTRIBUTION
--LOADS (FORCES)
--RETAINING WALLS

EARTH PRESSURE (Con.) ROCK MECHANICS SHEET PILING EARTH-WATER INTERFACES (Con.)

NT MUD-WATER INTERFACES
SEDIMENT-WATER INTERFACES
RT EARTH SURFACE SHEETING
--SLOPE STABILITY ANALYSIS HYGROSCOPIC WATER MICROENVIRONMENT STRESS DISTRIBUTION --STRESSES SHEAR DRAG TUNNEL CONSTRUCTION EARTHFILL DAMS 1 2 3 4 use EARTH DAMS EARTH PRESSURE COEFFICIENT USE COEFFICIENT OF EARTH PRESSURE EARTHFILLS 1 2 4 7 use EARTH FILLS EARTH PRESSURE MEASUREMENT BT PRESSURE MEASUREMENT RT COEPFICIENT OF EARTH PRESSURE 2 3 4 5 EARTHQUAKE DAMAGE 1 2 3 BT DAMAGE
RT DAM BREACHES
--DAM FAILURES
DYNAMIC RESPONSE
EARTHQUAKE ENGINEERING
EARTHQUAKE RESISTANT --EARTH PRESSURE HORIZONTAL LOADS --PRESSURE CELLS (SOILS) PRESSURE DISTRIBUTION STRESS GAGES (SOILS)
--STRESS MEASUREMENT STRUCTURES EARTHQUAKES -- LANDSLIDES EARTH PRESSURE THEORIES 2

NT COULOMBS THEORY
CULMANNS METHOD
FRICTION CIRCLE METHOD
PONCELETS METHOD
RANKINES THEORY
REBHANNS METHOD SEISMIC RISKS EARTHQUAKE DESIGN 1 2 3 4 use EARTHQUAKE RESISTANT STRUCTURES EARTHQUAKE ENGINEERING 1 2 3 4
RT BUILDING CODES
EARTHQUAKE DAMAGE
EARTHQUAKE PREDICTION
EARTHQUAKE RESISTANT
STRUCTURES WEDGE METHOD RT COEFFICIENT OF EARTH PRESSURE
--EARTH PRESSURE
--SLOPE STABILITY ANALYSIS
SURCHARGE STRUCTURES EARTHQUAKE SIMULATION MODELS EARTHQUAKES WALL FRICTION (SOILS) -- GEODYNAMICS SEISMOLOGY EARTH RESISTANCE 2
use PASSIVE EARTH PRESSURE VOLCANISM EARTHQUAKE PREDICTION 2 4
RT EARTHQUAKE ENGINEERING
EARTHQUAKES
--SEISMOGRAPHS EARTH-ROCK MIXTURES RT--EARTH DAMS ROCKFILL DAMS SEISMOLOGY EARTH SCIENCES 6 NOTE: All embracing term for geology, geography, geophysics, and geochemistry (in their widest senses), geodetics, climatology, and meteorology, oceanography, and the astronomical aspects of the earthmoon system EARTHQUAKE RECORDING INSTRUMENTS 2 use SEISMOGRAPHS EARTHQUAKE RESISTANT CONSTRUCTION 1 2 3 4 USE EARTHQUAKE RESISTANT STRUCTURES EARTHQUAKE RESISTANT STRUCTURES 1 2 3 4
UF EARTHQUAKE DESIGN
EARTHQUAKE RESISTANT
CONSTRUCTION moon system EARTH (SOIL) 2 use SOILS SEISMIC DESIGN RT--BUILDINGS --BUILDINGS
CONCRETE CONSTRUCTION
--CONCRETE STRUCTURES
DYNAMIC STABILITY
EARTHQUAKE DAMAGE
EARTHQUAKE ENGINEERING
EARTHQUAKES EARTH SURFACE 1 2 UF GROUND SURFACE RT AIR-EARTH INTER AIR-EARTH INTERFACES EARTH CRUST -- EARTH-WATER INTERFACES -- GEODESY INFILTRATION (WATER)
MUD-WATER INTERFACES
STATE OF THE GROUND
--SURFACE COMPOSITION SEISMIC RISKS SEISMOLOGY --STRUCTURAL DESIGN STRUCTURAL ENGINEERING --STRUCTURAL STABILITY VIBRATORY LOADS TERRAIN EARTH TEMPERATURE 2 use GEOTHERMOMETRY EARTHQUAKE SIMULATION MODELS BT MODELS RT EARTHQUAKE ENGINEERING EARTH TIDES 1 2 EARTHQUAKES
SHAKE TABLE TESTS
--SIMULATION
--STRUCTURAL MODELS BT TIDES RT EARTH CRUST EARTH OSCILLATIONS GEOPHYSICS RT ACCELEROGRAPHS
CHANGES OF LEVEL (GEOLOGY)
--DIASTROPHISM OCEAN TIDES EARTHQUAKES EARTH-WATER INTERFACES

BOUNDARIES (SURFACES)

INTERFACES

EARTHQUAKES (Con.) EBB CURRENTS HQUAKES (Con.)
DISASTERS
DYNAMIC GEOLOGY
--DYNAMIC LOADS
--EARTH MOVEMENTS
EARTH OSCILLATIONS
EARTHQUAKE DAMAGE
EARTHQUAKE ENGINEERING
EARTHQUAKE REDICTION
EARTHQUAKE RESISTANT
STRUCTURES
EARTHQUAKE SIMULATION M use TIDAL CURRENTS EBULLITION use BOILING ECCENTRIC LOADS 2 3 4
BT LOADS (FORCES)
RT BENDING MOMENTS
BENDING STRESS
CANTILEVER FOOTINGS
COLUMNS (SUBDORS) STRUCTURES
EARTHQUAKE SIMULATION MODELS
ELASTIC REBOUND THEORY
(EARTHQUAKES)
--ELASTIC WAVES
FAULTS AND FAULTING
(GECLOGY)
FREE FIELD MOTION
--GEODYNAMICS
--GROUND MOTION
GROUND MOTION
GROUND SHOCK WAVES
(DIRECT) COLUMNS (SUPPORTS) COMBINED FOOTINGS FOOTING ROTATIONS LATERAL LOADS (PILES) - LOAD TESTS (FOUNDATIONS)
PILE ECCENTRICITIES
PILE STRESSES ECHO SOUNDING 1 use SOUNDING METHODS (WATER) (DIRECT) ECOLOGICAL BALANCE 7
use BALANCE OF NATURE LIVE LOADS MICROSEISMS ECOLOGICAL NICHES 7 OROGENY SEISMIC WAVES use NICHES -- SEISMOGRAPHS ECOLOGICAL SUCCESSION 7
NOTE: Replacement of one kind of community by another kind; the progressive changes in vegetation and in animal life BT CLIMAX SEISMOLOGY SEISMOMETERS SEISMOSCOPES --SHOCK WAVES SOIL DYNAMICS SUBSIDENCE SUCCESSION RT--BIOLOGICAL COMMUNITIES TRANSIENT STRESS -- VIBRATIONS --ECOLOGY --ECOSYSTEMS EARTHSLIDES 1 2 use LANDSLIDES PIONEER COMMUNITY ECOLOGY 1 7
NOTE: Study of the interrelationships of organisms to one
another and to the environment
UF BIONOMICS
NT--ANIMAL ECOLOGY
AUTECOLOGY
ENVIRONMENTAL GRADIENT ARTHWORK 1 2 3 4 5 UF EARTH MOVING RT AIRFIELD CONSTRUCTION AIRPORT CONSTRUCTION EARTHWORK BACKFILLS
CANAL CONSTRUCTION
--CANALS ESTUARINE ECOLOGY HUMAN ECOLOGY CLEARING COMPACTION (SOILS)
CONSTRUCTION HUMAN ECOLOGY
MARINE ECOLOGY
PHYSIOLOGICAL ECOLOGY
PLANT ECOLOGY
PRIMARY PRODUCTIVITY
RADIOECOLOGY
SECONDARY PRODUCTIVITY
BALANCE OF NATURE
BIOGEOGRAPHY
BIOLOGY CONSTRUCTION
DIVERSION STRUCTURES
EARTH DAM CONSTRUCTION
EARTH HANDLING EQUIPMENT
EMBANKMENT CONSTRUCTION
EMBANKMENTS -EXCAVATION -- EXCAVATORS BIOLOGY --BIOMES -- FOUNDATION CONSTRUCTION BIORHYTHMS
CLOSED ECOLOGICAL SYSTEM
COMPETITION
DISTRIBUTION PATTERNS HAULING HAULING HELIPORT CONSTRUCTION HIGHWAY EMBANKMENTS IMPERVIOUS BLANKETS LANDSCAPING ECOLOGICAL SUCCESSION
--ECOTYPES LEVEE CONSTRUCTION
PROTECTIVE CONSTRUCTION
RAPID EARTH CONSTRUCTION
RESERVOIR CONSTRUCTION ENDANGERED SPECIES
--ENVIRONMENTAL EFFECTS
--ENVIRONMENTS
FISH MANAGEMENT ROAD CONSTRUCTION ROCKFILL DAM CONSTRUCTION FISHERIES FOOD CHAINS -- SLOPES SOIL CUTTING --SOIL MECHANICS STRIPPING GRASSLANDS GHASSLANDS
--HABITATS
LIFE CYCLES
LIMITING FACTORS
LIMNOLOGY
MIGRATION -- TRENCHES TUNNEL CONSTRUCTION -- UNDERGROUND CONSTRUCTION PHENOLOGY --POPULATIONS EASEMENTS 1 RT LAND ACQUISITION PREDATION
--PRODUCTIVITY RIGHT OF WAY -- SUCCESSION

ECOLOGY (Con.) SYMBIOSIS WILDLIFE

ECONOMIC ANALYSIS 6
RT BENEFIT COST ANALYSIS
--COST ANALYSIS
COST CONTROL
COST ENGINEERING
ECONOMIC FACTORS
ECONOMICS
--FORECASTING
--MATHEMATICAL MODELS
--PLANNING
PRODUCTIVITY
VALUE ENGINEERING

ECONOMIC FACTORS 6
RT ECONOMIC ANALYSIS
--FORECASTING

ECONOMIC GEOLOGY 2
NOTE: Study of valuable
mineral deposits
BT GEOLOGY
NT MINING GEOLOGY
PETROLEUM GEOLOGY
RT--BITUMENS
COAL
ENGINEERING GEOLOGY
LIGNITE
MINERAL DEPOSITS
MINERAL MAPS
MINERAL RESOURCES
MINING ENGINEERING
OIL SHALES
PETROGRAPHY
PETROLEUM
--PETROLOGY

ECONOMICS 3 6
RT CONSTRUCTION COSTS
--COSTS
DESIGN IMPROVEMENTS
ECONOMIC ANALYSIS
INNOVATION

ECONOMIES 6
RT CAPITAL
DESIGN IMPROVEMENTS
VALUE ENGINEERING

ECOSYSTEMS 7
NOTE: Community including all the component organisms together with the abiotic environment, forming an interacting system
NT BIORHYTHMS
CLIMATIC CLIMAX
--CLIMAX
DISCLIMAX
PIONEER COMMUNITY
POSTCLIMAX
PRECLIMAX
SUBCLIMAX
--SUCCESSION
RT BALANCE OF NATURE
--BIOLOGICAL COMMUNITIES
DOMINANT ORGANISMS
ECOLOGICAL SUCCESSION
EQUILIBRIUM
POOD CHAINS
NICHES
TROPIC LEVEL

ECOTYPES 7
NOTE: Smallest taxon or group
of similar biotypes within an
ecospecies each one adapted to
a certain combination of
environmental conditions
BT BIOLOGICAL COMMUNITIES

ECOTYPES (Con.)

NT DOMINANT ORGANISMS

RT ACCLIMATIZATION

BIOTA

--ECOLOGY

ENVIRONMENTAL GRADIENT

NICHES

--POPULATIONS

--VEGETATION ESTABLISHMENT

EDAPHOLOGY 7
use SOILS

EDDIES 1
RT FLOW AROUND OBJECTS
MIXING
TURBULENCE
TURBULENT FLOW
--VORTICES
--WATER CIRCULATION

EDDY DIFFUSION 7
use TURBULENT DIFFUSION

EDGE BEAMS 3 4
BT BEAMS (SUPPORTS)
STRUCTURAL MEMBERS
RT--CONCRETE BEAMS

EDGE EFFECT 7

NOTE: Influence of two
communities upon their
adjoining margins or fringes,
affecting the composition
and density of the populations
in these bordering areas,
e.g. a forest edge bordering
a grassland
RT--ENVIRONMENTAL EFFECTS

EDUCTORS 2 use EJECTORS

EELGRASS 7
BT AQUATIC PLANTS
GRASSES
PLANTS (BOTANY)

EELS 1 RT CATADROMOUS FISH

EFFECT OF STRUCTURES ON WATER
WAVES 1
UF STRUCTURES' EFFECT ON
WATER WAVES
WATER WAVES
BY STRUCTURES
RT WATER WAVES

EFFECTIVE DIAMETER 2
use EFFECTIVE GRAIN SIZE

EFFECTIVE GRAIN SIZE 2

UF EFFECTIVE DIAMETER
EFFECTIVE SIZE

RT COEFFICIENT OF CURVATURE
COEFFICIENT OF UNIFORMITY
FILTER CRITERIA
FILTER MATERIALS
--GRADATION
GRAIN SIZES
PERMEABILITY (SOILS)

EFFECTIVE PRESSURE 2
use EFFECTIVE STRESS

EFFECTIVE SIZE 2
use EFFECTIVE GRAIN SIZE

EFFECTIVE STRESS 2

UF EFFECTIVE PRESSURE
INTERGRANULAR PRESSURE
INTERGRANULAR STRESS
BT STRESS

EFFECTIVE STRESS (Con.)
RT COULOMB EQUATION
EFFECTIVE STRESS PRINCIPLE
NEGATIVE PORE PRESSURE
--PORE PRESSURE
S TESTS (SOILS)
TOTAL STRESS

EFFECTIVE STRESS PRINCIPLE 2 RT EFFECTIVE STRESS

EFFLORESCENCE 3
RT CONCRETE DISCOLORATION
CONCRETE DRYING
DRYING
LEACHING (CONCRETE)
--MASONRY
MORTARS (MATERIAL)
--SALTS
STAINING
SURFACE DEFECTS (CONCRETE)
WEATHERING (CONCRETE)

EPFLUENT REUSE 1
RT RECLAIMED WATER
SEWAGE
STREAM POLLUTION
WATER RECLAMATION

EFFLUENT STREAMS 1
BT RUNNING WATERS
STREAMS
RT BASE FLOW
--GROUNDWATER
INFLUENT STREAMS

EFFLUENTS 1 7
NOTE: Liquid, solid or gaseous products, frequently waste, discharged or emerging from a process
NT SEWAGE EFFLUENTS
RT CLARIFICATION
CONTAMINANTS
EMISSIONS
--EXHAUST GASES
FILTRATION
--INDUSTRIAL WASTES
LIQUID WASTES
SANITARY EMGINEERING
--SEDIMENTATION
SEWAGE
--SEWAGE TREATMENT
SMOKE
STREAM POLLUTION
--WASTE DISPOSAL
WASTE WATER
WASTE WATER
WASTES
--WATER POLLUTION
WATER POLLUTION
WATER POLLUTION
WATER POLLUTION
WATER POLLUTION
WATER POLLUTION
WATER POLLUTION

EIGENVALUES 6
BT ALGEBRA
LINEAR ALBEGRA
MATRICES (MATHEMATICS)

EJECTA (CRATERS) 3 4 use CRATER EJECTA

EJECTOR PUMPS 1 BT PUMPS

EJECTORS 2
NOTE: Devices for moving a fluid or solid by entraining it in a high-velocity stream, air, or water jet
UF EDUCTORS
RT JET PUMPS

ELASTIC ANALYSIS 3 4
BT STRUCTURAL ANALYSIS
RT--COMPATIBILITY METHODS

ELASTIC ANALYSIS (Con.)

COMPLEMENTARY ENERGY
METHODS

-DEFORMATION METHODS
DYNAMIC STRUCTURAL ANALYSIS
ELASTICITY
-ENERGY METHODS
-EQUILIBRIUM METHODS
-FLEXIBILITY METHODS
-MATRIX METHODS
STATIC STRUCTURAL
ANALYSIS
STATICALLY DETERMINATE
STRUCTURES
STATICALLY INDETERMINATE
STRUCTURES
-STRUCTURES
-STRICTURES
-STRICTURES
-STRICTURES
-STRICTURES
-STRICTURES
UNIT DISPLACEMENT METHODS
UNIT DISPLACEMENT METHODS
UNIT LOAD METHODS

ELASTIC DEFORMATION 2 3 4
BT DEFORMATION
MECHANICAL PROPERTIES
RT ELASTIC DESIGN
ELASTIC EQUILIBRIUM
ELASTIC FOUNDATIONS
ELASTIC LIMIT
ELASTIC LIMIT
ELASTIC MEDIA
--ELASTICITY
HOOKES LAW
--MODULUS OF DEFORMATION
--MODULUS OF ELASTICITY
POISSON RATIO
RESTITUTION (MATERIALS)
SHEAR MODULUS
SOIL RESILIENCE
STRESS-STRAIN CURVES
--STRESS-STRAIN RELATIONS
STRESS-STRAIN RELATIONS
STRESS-STRAIN RELATIONS
(CONCRETE)
THEORY OF ELASTICITY

ELASTIC DESIGN 2 3 4
NOTE: Method of analysis in which the design of a structure or structural member is based on a linear stress-strain relationship and corresponding limiting elastic properties of the material BT DESIGN STRUCTURAL DESIGN RT ELASTIC DEFORMATION ELASTIC EQUILIBRIUM ELASTIC LIMIT --ELASTICITY HOOKES LAW LIMIT DESIGN --MODULUS OF DEFORMATION --MODULUS OF DEFORMATION --MODULUS OF ELASTICITY PLASTIC DESIGN POISSON RATIO THEORY OF ELASTICITY

ELASTIC EQUILIBRIUM 2 3 4

NOTE: State of stress within
a mass when the internal
resistance of the mass is not
fully mobilized
UF ELASTIC STATE OF EQUILIBRIUM
BT EQUILIBRIUM
RT ELASTIC DEPORMATION
ELASTIC DESIGN
ELASTIC LIMIT
--ELASTICITY
HOOKES LAW
PLASTIC EQUILIBRIUM
THEORY OF PLASTICITY

ELASTIC FOUNDATIONS 2
UF WINKLER FOUNDATIONS
BT FOUNDATIONS

ELASTIC FOUNDATIONS (COn.)
RT BEAMS ON ELASTIC FOUNDATIONS
CONTACT PRESSURE
ELASTIC DEFORMATION
ELASTIC ITY
FLEXIBLE FOUNDATIONS
--FOOTINGS
--FOUNDATION DESIGN
MAT FOUNDATIONS
RIGID FOUNDATIONS
SLABS

ELASTIC LIMIT 2 3 4
BT MECHANICAL PROPERTIES
RT ELASTIC DEFORMATION
ELASTIC DEFORMATION
ELASTIC DESIGN
ELASTIC EQUILIBRIUM
ELASTIC EQUILIBRIUM
ELASTIC EQUILIBRIUM
--MODULUS OF DEFORMATION
--MODULUS OF DEFORMATION
--MODULUS OF ELASTICITY
--REINFORCING STEELS
--TENSILE PROPERTIES
--TENSILE STEENGTH
--TENSILE STEENGTH
--TENSION TESTS
THEORY OF ELASTICITY

ELASTIC LOOP MOBILITY SYSTEM
RT FLEXIBLE WHEELS
LUNAR ROVING VEHICLES
--TRACKED VEHICLES

ELASTIC MEDIA 2 3 4 5
NOTE: Materials which return
to their original form or
condition after a displacing
force is removed
UF ELASTIC SOLIDS
RT ELASTIC DEFORMATION
ELASTIC PLASTIC MEDIA
--ELASTIC WAVES
--ELASTIC ITY
FLEXIBLE WHEELS
PHOTOELASTICITY
THEORY OF ELASTICITY

ELASTIC MODULUS 3 4
use MODULUS OF ELASTICITY

ELASTIC PLASTIC BEHAVIOR 2
RT ELASTIC PLASTIC MEDIA
ELASTICITY
--MECHANICAL PROPERTIES
PLASTICITY

ELASTIC PLASTIC MEDIA 2
RT ELASTIC MEDIA ELASTIC PLASTIC BEHAVIOR ELASTICITY
PLASTIC MEDIA PLASTICITY

ELASTIC PROPERTIES 2 3 4
use ELASTICITY

ELASTIC REBOUND THEORY
(EARTHQUAKES) 2
RT EARTHQUAKES
FAULTS AND FAULTING
(GEOLOGY)

ELASTIC RIM WHEELS 5 use FLEXIBLE WHEELS

ELASTIC SHELLS 4
BT SHELLS (STRUCTURAL FORMS)
STRUCTURAL FORMS

ELASTIC SOLIDS 2 3 4

ELASTIC STATE OF EQUILIBRIUM 2 3 4
use ELASTIC EQUILIBRIUM

ELASTIC THEORY 2 3 4
use THEORY OF ELASTICITY

ELASTIC WAVES 2 3 4 OTE: Waves propagated by the elastic deformation of a medium BT MECHANICAL WAVES NT COMPRESSION WAVES
DETONATION WAVES
FLEXURAL WAVES
GROUND SHOCK WAVES (AIR INDUCED) GROUND SHOCK WAVES (DIRECT) IMPULSIVELY GENERATED WAVES LOVE WAVES MICROSEISMS RAYLEIGH WAVES SHEAR WAVES
--SHOCK WAVES
SOUND WAVES
STONELEY WAVES STRESS WAVES SUPERSEISMIC WAVES TORSIONAL WAVES
TRANSEISMIC WAVES
TRANSEISMIC WAVES
RT DOPPLER EFFECT
EARTHQUAKES ELASTIC MEDIA
GRAVITY WAVES
--GROUND MOTION
LONGITUDINAL WAVES MARINE SEISMICS NODES NODES
PLANE WAVES
PRESSURE WAVES
SEISMIC DETECTION
SEISMIC INVESTIGATIONS
--SEISMIC SURVEYS
SOIL DYNAMICS
--SONICS
SPHERICAL WAVES --SURFACE WAVES (SOLID MEDIA) -- UNDERGROUND EXPLOSIONS -- VIBRATIONS VISCOELASTIC WAVES WAVES IN POROUS MEDIA

ELASTIC WHEELS 5
use FLEXIBLE WHEELS

ELASTICITY 2 3 4 5
NOTE: Tendency of a material
to recover its original
size and shape after
deformation
UF ELASTIC PROPERTIES
BT MECHANICAL PROPERTIES
BT MECHANICAL PROPERTIES
--COMPRESSIVE STRENGTH
DYNAMIC MODULUS OF
ELASTIC INT
ELASTIC ANALYSIS
ELASTIC DESIGN
ELASTIC DESIGN
ELASTIC DESIGN
ELASTIC EQUILIBRIUM
ELASTIC EQUILIBRIUM
ELASTIC LIMIT
ELASTIC MEDIA
ELASTIC PLASTIC BEHAVIOR
ELASTIC PLASTIC MEDIA
ELASTIC PLASTIC MEDIA
FLEXIBLE WHEELS
HOOKES LAW
INITIAL TANGENT MODULUS
--MODULUS OF ELASTICITY
PHOTOELASTICITY
POTOSON RATIO
SHEAR MODULUS
SOIL RESILIENCE
--TENSILE STRENGTH

ELASTICITY (Con.)
THEORY OF FLASTICITY
VISCOELASTICITY

ELASTOMERS 2 3 5
NOTE: Elastic rubberlike
substance
NT NATURAL RUBBER
--RUBBER
SYNTHETIC RUBBER
RT CHLOROPRENE RESINS
LATEX
POLYAMIDE RESINS
--POLYETHER RESINS
POLYSULFIDE RESINS
POLYSULFIDE RESINS
POLYURETHANE RESINS
--RESINS (SYNTHETIC)
SILICONE RESINS
--VINYL RESINS

ELBOWS (PIPES) 1 use CONDUIT BENDS

ELECTRIC ANALOGS 1 2 6

UF ANALOGY (ELECTRIC)
ELECTRIC ANALOGY
BT ANALOGS
RT ANALOG COMPUTERS
ANALOG TO DIGITAL
CONVERTERS
DIGITAL SYSTEMS
ELECTRIC ANALOGY SEEPAGE
MODELS
--MODELS
PHOTOELASTIC METHOD
SIMULATION

ELECTRIC ANALOGY 1 use ELECTRIC ANALOGS

ELECTRIC ANALOGY SEEPAGE
MODELS 1 2
BT MODELS
RT ELECTRIC ANALOGS
FLOW NETS
--SEEPAGE
SEEPAGE CONTROL DESIGN
SEEPAGE THEORY
UNDERSEEPAGE THEORY

ELECTRIC APPARATUS AND APPLIANCES use ELECTRIC EQUIPMENT

ELECTRIC CABLES 6
use TRANSMISSION LINES

ELECTRIC CIRCUITS 6

ELECTRIC CONDENSERS 6
use CAPACITORS

ELECTRIC CURING 3
BT CONCRETE CURING
CURING
RT INFRARED HEATING

ELECTRIC CURRENT METERS 4
BT ELECTRIC MEASURING
INSTRUMENTS
MEASURING INSTRUMENTS
NT GALVANOMETERS

ELECTRIC CURRENTS 6

NT ALTERNATING CURRENT
DIRECT CURRENT
LIGHTNING
RT--CIRCUITS
ELECTRIC FIELDS
ELECTRICAL MEASUREMENT
GALVANOMETERS
TRANSMISSION LINES

ELECTRIC DOUBLE LAYER 2

ELECTRIC DRIVES 5
BT DRIVE SYSTEMS
RT ELECTRIC VEHICLES
ELECTRIC WHEELS
FOUR WHEEL DRIVES
PHONT WHEEL DRIVES
POWER WHEELS
TRANSMISSIONS

ELECTRIC EQUIPMENT 1 2 3 4 6

UP ELECTRIC APPARATUS AND APPLIANCES

ELECTRICAL EQUIPMENT

NT ELECTRIC MOTORS

ELECTRIC RELAYS

ELECTRIC RELAYS

ELECTRICAL PIEZOMETERS

RT AIR CONDITIONERS

--CONTROL EQUIPMENT

--ELECTRIC MEASURING

INSTRUMENTS

ELECTRICAL ENGINEERING

--ELECTROICAL ENGINEERING

--ELECTROIC EQUIPMENT

--OCEANOGRAPHIC INSTRUMENTS

--RECORDING INSTRUMENTS

--TRANSDUCERS

ELECTRIC FIELDS 6
RT ELECTRIC CURRENTS
STATIC ELECTRICITY

ELECTRIC FILTERS 6
BT FILTERS
NT DIGITAL FILTERS
RT CAPACITORS

ELECTRIC GENERATORS 1
RT HYDROELECTRIC PLANTS
HYDROELECTRIC POWER
PEAK POWER

ELECTRIC LINES 6
use TRANSMISSION LINES

ELECTRIC MACHINERY BT MACHINERY

ELECTRIC MEASURING INSTRUMENTS 2 3 4 6
NOTE: Instruments for measuring
electrical properties,
quantities, or conditions
BT MEASURING INSTRUMENTS
NT BALLISTIC GALVANOMETERS
CAPACITANCE METERS
CATHODE RAY OSCILLOSCOPES
--ELECTRIC CURRENT METERS
GALVANOMETERS
OHMETERS
OHMETERS
POTENTIOMETERS
VOLTMETERS
RT ELECTRIC EQUIPMENT
ELECTRICAL PROPERTIES
PREQUENCY METERS

ELECTRIC MOTORS 6
BT ELECTRIC EQUIPMENT
MOTORS
RT SERVOMOTORS

ELECTRIC NETWORKS 6

ELECTRIC POTENTIAL 1 RT NETWORK ANALYSIS

ELECTRIC POWER 1
NT HYDROELECTRIC POWER
PEAK POWER
RT--DAMS
ELECTRICAL ENGINEERING
HYDROELECTRIC PLANTS
PUBLIC UTILITIES
PUMPED STORAGE

ELECTRIC POWER (Con.)
RESERVOIR SURVEYS
-RESERVOIRS
STEAM
STEAM TURBINES
TIDAL ENERGY
WATER POLICY

ELECTRIC POWER GENERATION 1 7
NT--HYDROELECTRIC POWER
GENERATION
TIDAL POWER GENERATION
RT--ELECTRIC POWER PLANTS
GEOTHERMAL POWER PLANTS
NUCLEAR POWER PLANTS
THERMAL POWER PLANTS
TIDAL POWER PLANTS

ELECTRIC POWER PLANTS 1 2 3 4 6
UF POWER PLANTS (ELECTRICITY)
POWERHOUSES
NT GEOTHERMAL POWER PLANTS
HYDROELECTRIC PLANTS
NUCLEAR POWER PLANTS
STEAM POWER PLANTS
-THERMAL POWER PLANTS
TIDAL FOWER PLANTS
UNDERGROUND POWER PLANTS
UNDERGROUND POWER PLANTS
RT-ELECTRIC POWER
GENERATION
ELECTRICAL ENERGY

GENERATORS INDUSTRIAL PLANTS TIDAL ENERGY

ELECTRIC RELAYS 6
BT CONTROL EQUIPMENT
ELECTRIC EQUIPMENT

ELECTRIC VEHICLES 5
RT AGRICULTURAL VEHICLES
ELECTRIC DRIVES
ELECTRIC WHEELS
--FORESTRY VEHICLES
PORK LIFT TRUCKS
GOER VEHICLES
INDUSTRIAL VEHICLES
--LIGHT UTILITY VEHICLES
--LOGGING VEHICLES
LUNAR ROVING VEHICLES
--MILITARY VEHICLES
--FOAD VEHICLES
--TRUCKS
--UNDERWATER VEHICLES
WALKING VEHICLES
--WHEELED VEHICLES
--WHEELED VEHICLES

ELECTRIC WAVES 5 6
use ELECTROMAGNETIC RADIATION

ELECTRIC WELDING 2 6
BT WELDING
NT ARC WELDING
ELECTRON BEAM WELDING
RT SPOT WELDING
WELDMENTS

ELECTRIC WHEELS 5
BT WHEELS
RT-DHIVE SYSTEMS
ELECTRIC DRIVES
ELECTRIC VEHICLES
GOER VEHICLES
POWER WHEELS
--WHEELED VEHICLES

ELECTRIC WIRE 6
BT WIRE
RT-CIRCUITS
ELECTRICAL INSULATION
POWER TRANSMISSION SYSTEMS
TRANSMISSION LINES
WIRING

ELECTRICAL CONDUCTANCE 6
use ELECTRICAL RESISTANCE

ELECTRICAL CONDUCTIVITY 2 3 6
use ELECTRICAL RESISTIVITY

ELECTRICAL DESIGN 1 RT ELECTRICAL ENGINEERING

ELECTRICAL ENERGY 1 2 4 6
RT--ELECTRIC FOWER PLANTS
--HEAT
HYDROELECTRIC PLANTS
--MECHANICAL ENERGY
NUCLEAR POWER PLANTS
POWER TRANSMISSION SYSTEMS
STEAM POWER PLANTS
TIDAL POWER PLANTS
WINDMILLS

ELECTRICAL ENGINEERING 1 2 6
RT AUTOMATION
--CIVIL ENGINEERING
CONTROL SYSTEMS
--ELECTRIC POWER
ELECTRIC EQUIPMENT
ELECTRICAL DESIGN
--ELECTRICAL PROPERTIES
HYDROELECTRIC PLANTS
POWER TRANSMISSION SYSTEMS
RADAR
TELECOMMUNICATION

ELECTRICAL EQUIPMENT 1 2 3 4 6 use ELECTRIC EQUIPMENT

ELECTRICAL GROUNDING 6
UF GROUNDING (ELECTRICITY)
RT--CIRCUITS

ELECTRICAL INSULATION 6
BT INSULATION
RT ELECTRIC WIRE
--ELECTRICAL PROPERTIES
WIRING

ELECTRICAL LOGGING 2
BT LOGGING
RT BOREHOLE LOGGING
ELECTRICAL RESISTIVITY
--ELECTRODES
ELECTROMAGNETIC SURVEYS
POTENTIOMETERS
RESISTIVITY SURVEYS
WELL LOGGING

ELECTRICAL MEASUREMENT 6
NOTE: Measurement of electrical properties, quantities, or conditions
BT MEASUREMENT
RT -- ELECTRIC CURRENTS
-- ELECTRIC MEASURING
INSTRUMENTS
ELECTRICAL PROPERTIES
GALVANOMETERS
MAGNETOMETERS
OHMMETERS
POTENTIOMETERS

ELECTRICAL METHODS 2
use RESISTIVITY SURVEYS

ELECTRICAL PIEZOMETERS 2 6
BT ELECTRIC EQUIPMENT
MEASURING INSTRUMENTS
PIEZOMETERS
PRESSURE GAGES

ELECTRICAL PROPERTIES 1 2 3 4 6
NT DIELECTRIC PROPERTIES
ELECTRICAL RESISTANCE
ELECTRICAL RESISTIVITY
PIEZOELECTRICITY

ELECTRICAL PROPERTIES (Con.)
RT--CHEMICAL PROPERTIES
--CONDUCTIVITY
--PENSITY (MASS/VOLUME)
DIELECTRICS
ELECTRIC EQUIPMENT
--ELECTRIC MEASURING
INSTRUMENTS ELECTRICITY (Con.)
ELECTROMAGNETIC WAVES ELECTRONICS LIGHTING MATHEMATICAL PHYSICS PHOTOELECTRICITY PIEZOELECTRICITY STATIC ELECTRICITY ELECTRICAL ENGINEERING ELECTRICAL EQUIPMENT ELECTRICAL INSULATION ELECTRICAL MEASUREMENT ELECTROCHEMICAL HARDENING use ELECTROCHEMICAL SOIL STABILIZATION ELECTROCHEMISTRY ELECTRODIALYSIS ELECTROCHEMICAL INJECTION 2 3 BT GROUTING RT BASE EXCHANGE ELECTROKINETIC EFFECTS ELECTROLYSIS
ELECTROLYTIC CORROSION
ELECTROMAGNETISM --CHEMICAL GROUTING --CHEMICAL REACTIONS ELECTROCHEMICAL SOIL STABILIZATION ELECTROOSMOSIS ELECTROPHORESIS ELECTROSTATICS --ELECTRODES KELVIN FUNCTIONS
MAGNETIC PROPERTIES
MAXWELLS WAVE EQUATIONS
OPTICAL PROPERTIES
SOLID STATE PHYSICS IONS --SALTS ELECTROCHEMICAL SOIL STABILIZATION
UF ELECTROCHEMICAL HARDENING
ELECTROCHEMICAL SOLIDIFICATION
BT SOIL STABILIZATION -THERMAL PROPERTIES ELECTROCHEMICAL INJECTION ELECTROCHEMISTRY ELECTRICAL RESISTANCE ELECTRICAL CONDUCTANCE ELECTRICAL PROPERTIES -ELECTRODES
ELECTROKINETIC SOIL RT ELECTRICAL RESISTIVITY STABILIZATION ELECTROPHORESIS ELECTRICAL RESISTANCE METERS
BT MEASURING INSTRUMENTS ELECTROCHEMICAL SOLIDIFICATION 2
use ELECTROCHEMICAL SOIL
STABILIZATION ELECTRICAL RESISTANCE METHODS FIELD TESTS
WATER CONTENT DETERMINATION (SOILS)
NONDESTRUCTIVE MEASUREMENT
NONDESTRUCTIVE TESTS
SOIL MOISTURE MEASURING ELECTROCHEMISTRY LECTROCHEMISTRY 2 3 6
NOTE: Study of the relation
between electricity and
chemical change
BT CHEMISTRY
RT CATHODIC PROTECTION DEVICES CATHODIC PROTECTION CHEMICAL ENGINEERING ELECTRICAL RESISTIVITY 2 3 6
UF ELECTRICAL CONDUCTIVITY
BT CONDUCTIVITY -- CORROSION
-- ELECTRICAL PROPERTIES CONDUCTIVITY
ELECTRICAL PROPERTIES
DIELECTRICS
ELECTRICAL LOGGING
ELECTRICAL RESISTANCE
LOAD CELLS
DIEZOELECTRICATIV ELECTROCHEMICAL SOIL STABILIZATION ELECTRODES ELECTRODIALYSIS ELECTROLYSIS PIEZOELECTRICITY
-PRESSURE CELLS
RESISTIVITY SURVEYS
SOIL CONDUCTIVITY ELECTROLYTES PHYSICAL CHEMISTRY ELECTRODES ECTRODES 2 6 7
NT ANODES
CATHODES TEMPERATURE LOGGING ELECTRICAL RESISTIVITY EXPLORATION 2
use RESISTIVITY SURVEYS ARC WELDING
ELECTRICAL LOGGING
ELECTROCHEMICAL INJECTION
ELECTROCHEMICAL SOIL ELECTRICAL SHOCKING GEAR 1 RT FISH BARRIERS STABILIZATION ELECTROCHEMISTRY ELECTRODIALYSIS FISHWAYS ELECTRICALLY POWERED INSTRUMENTS RT--MEASURING INSTRUMENTS ELECTROKINETIC SOIL ELECTRICITY 1 2 6

NOTE: Use of a more specific term is recommended; consult the terms listed below ELECTRIC CURRENTS
ELECTRIC MEASURING INSTRUMENTS
ELECTRIC POWER ELECTRIC POWER ELECTRIC POWER ELECTRICAL ENERGY ELECTRICAL ENGINEERING ELECTRICAL EQUIPMENT ELECTRICAL PROPERTIES ELECTRICAL PROPERTIES ELECTRICAL PROPERTIES STABILIZATION ELECTROLYSIS ELECTROLYTES -- ELECTROOS MOSIS ELECTROPHORESIS IONS RESISTIVITY SURVEYS ELECTRODIALYSIS 1 NOTE: Removal of electrolytes
from a colloidal solution by
an electric field
BT DIALYSIS
RT DESALTING
DESALTING PROCESSES

ELECTROCHEMISTRY

ELECTRODIALYSIS (Con.)
--ELECTRICAL PROPERTIES ELECTROCHEMISTRY -- ELECTRODES ELECTROLYSIS ELECTROOSMOSIS ELECTROPHORESIS TERTIARY TREATMENT -WATER CHEMISTRY ELECTRODYNAMICS 6
RT ELECTROKINETICS MAXWELLS WAVE EQUATIONS ELECTROKINETIC EFFECTS NOTE: Movements of particles under the influence of an applied electric field ELECTROOSMOSIS ELECTROPHORESIS RT DOUBLE LAYER THEORY -- ELECTRICAL PROPERTIES ELECTROKINETIC SOIL STABILIZATION UF ELECTROOSMOTIC SOIL STABILIZATION BT SOIL STABILIZATION
RT ELECTROCHEMICAL SOIL
STABILIZATION --ELECTRODES ELECTROOSMOSIS IONS NEGATIVE PORE PRESSURE ELECTROKINETICS 6
RT ELECTRODYNAMICS ELECTROLYSIS 1 2 3 6
NOTE: Production of chemical nore: Production of chemical
changes by the passage of
current through an electrolyte
BT CHEMICAL REACTIONS
RT--CORROSION
--ELECTRICAL PROPERTIES ELECTROCHEMISTRY -- ELECTRODES ELECTRODIALYSIS ELECTROLYTES PASSIVITY ELECTROLYTES 2 3 6 7 RT--ACIDS ALKALIES ELECTROCHEMISTRY -- ELECTRODES ELECTROLYSIS TONS --SALTS -- TRACERS ELECTROLYTIC CORROSION 2 3 6
BT CORROSION
RT--ELECTRICAL PROPERTIES ELECTROMAGNETIC PULSES 6
BT ELECTROMAGNETIC RADIATION ELECTROMAGNETIC RADIATION
UF ELECTRIC WAVES
ELECTROMAGNETIC WAVES RADIATION WAVES ELECTROMAGNETIC PULSES GAMMA RAYS UAMMA HAYS
INFRARED RAYS
--LIGHT (ILLUMINATION)
MICROWAVES
RADAR SIGNALS
--RADIO WAVES
SUNLIGHT

SUNLIGHT

X RAYS

ULTRAVIOLET RAYS

ELECTROMAGNETIC RADIATION (Con.) RT DIELECTRIC PROPERTIES
--ELECTROMAGNETIC SENSORS ELECTROMAGNETISM IRRADIATION LASERS MECHANICAL WAVES -- NUCLEAR EQUIPMENT NUCLEAR METHODS REMOTE SENSING ELECTROMAGNETIC SENSORS 5
BT REMOTE SENSING INSTRUMENTS INFRARED DETECTORS NT INFRARED DETECTORS
RADAR EQUIPMENT
ULTRAVIOLET INSTRUMENTS
RT--ELECTROMAGNETIC RADIATION
GAMMA RAY SPECTROMETERS REMOTE SENSING ELECTROMAGNETIC SPECTRA 3 7
NOTE: Distribution of emitted
or absorbed electromagnetic
waves; excludes particle
spectra
NT ABSORPTION SPECTRA
VISIBLE SPECTRUM ELECTROMAGNETIC SURVEYS 2 BT GEOPHYSICAL EXPLORATION SUBSURFACE EXPLORATION ELECTRICAL LOGGING ELECTROMAGNETISM MAGNETIC SURVEYS ELECTROMAGNETIC WAVE FILTERS 6 ELECTROMAGNETIC WAVE PROPAGATION USE ELECTROMAGNETIC WAVE TRANSMISSION ELECTROMAGNETIC WAVE TRANSMISSION UF ELECTROMAGNETIC WAVE PROPAGATION WAVE PROPAGATION LIGHT TRANSMISSION RADIO TRANSMISSION TELEVISION TRANSMISSION RT HEAT TRANSMISSION ELECTROMAGNETIC WAVES 5 6
use ELECTROMAGNETIC RADIATION ELECTROMAGNETISM 2 6
NOTE: Magnetism developed by
a current of electricity
RT-ELECTRICAL PROPERTIES ELECTROMAGNETIC RADIATION ELECTROMAGNETIC SURVEYS MAGNETIC PROPERTIES MAGNETOMETERS MAXWELLS WAVE EQUATIONS ELECTRON BEAM WELDING 2 6 NOTE: Process of using a focused beam of electrons to heat materials to the fusion point BT F ELECTRIC WELDING WELDING RT ARC WELDING ELECTRON DIFFRACTION 3 6 BT DIFFRACTION
RT ELECTRON MICROSCOPES
ELECTRON MICROSCOPY
X RAY DIFFRACTION ELECTRON MICROSCOPES

BT ELECTRONIC EQUIPMENT MICROSCOPES

ELECTRON DIFFRACTION ELECTRON MICROSCOPY

ELECTRON MICROSCOPES (Con.)
OPTICAL MICROSCOPES
PHOTOMICROGRAPHY

ELECTRON MICROSCOPY 2 3
BT MICROSCOPY
RT CRYSTALLOGRAPHY
ELECTRON DIFFRACTION
ELECTRON MICROSCOPES
PETROGRAPHIC ANALYSIS
PHOTOMICROGRAPHY
X RAY ANALYSIS

ELECTRON PROBES 3
BT ELECTRONIC EQUIPMENT
MEASURING INSTRUMENTS
RT--CHEMICAL ANALYSIS
IRRADIATION

ELECTRON TUBES 6
BT TUBES
NT CATHODE RAY TUBES
THYRATONS
--VACUUM TUBES
VIBROTRONS
RT--CIRCUITS
DIODES

ELECTRON TUNNELING 6
UF TUNNELING (ELECTRONICS)
RT TUNNEL DIODES

ELECTRONIC APPARATUS AND APPLIANCES 1 3 4 6 use ELECTRONIC EQUIPMENT

ELECTRONIC CIRCUITS 6
use CIRCUITS

ELECTRONIC COMPUTERS 1 2 3 4 5 6 7

ELECTRONIC DATA PROCESSING 2 3 4 6 7 use DATA PROCESSING

ELECTRONIC ENGINEERING 6

UF ELECTRONIC EQUIPMENT 1 3 4 6

UF ELECTRONIC APPARATUS AND APPLIANCES
ELECTRONIC INSTRUMENTS
INSTRUMENTS (ELECTRONICS)

NT ELECTRON MICROSCOPES
ELECTRON PROBES
OSCILLOGRAPHS
OSCILLOGRAPHS
OSCILLOSCOPES

RT AMPLIFIERS
AUTOMATIC CONTROL
--COMPUTERS
--CONTROL EQUIPMENT

AUTOMATIC CONTROL

-COMPUTERS

-CONTROL EQUIPMENT

-DATA PROCESSING
ELECTRIC EQUIPMENT

-FLOW CONTROL

-MEASURING INSTRUMENTS
RECORDING INSTRUMENTS
REMOTE CONTROL
TELEMETRY

ELECTRONIC INSTRUMENTS 1 3 4 6 use ELECTRONIC EQUIPMENT

ELECTRONICS 6

NOTE: Use of a more specific term is recommended; consult the terms listed below CIRCUITS
CYBERNETICS
ELECTRICAL ENGINEERING ELECTRONIC ENGINEERING ELECTRONIC ENGINEERING ELECTRONIC EQUIPMENT ELECTRONS
FEEDBACK

ELECTRONICS (Con.)
PHOTOELECTRIC CELLS
PULSE TECHNIQUE
(ELECTRONICS)
SEMICONDUCTORS
TRANSISTORS

ELECTRONS 2 3 4 6
RT ATOMS
BETA PARTICLES
BETA RAYS
IONS
NEUTRONS
PROTONS

ELECTROOSMOSIS 1 2 6
NOTE: Plow of liquid in a
capillary system under the
action of an electric
potential
BT DIFFUSION
ELECTROKINETIC EFFECTS
OSMOSIS
RT DEWATERING
DOUBLE LAYER THEORY
DRAINAGE SYSTEMS
--ELECTRICAL PROPERTIES

DOUBLE LAYER THEORY
DRAINAGE SYSTEMS
--ELECTRICAL PROPERTIE
--ELECTRODES
ELECTRODIALYSIS
ELECTROKINETIC SOIL
STABILIZATION
ELECTROPHORESIS
OSMOTIC PRESSURE
SUBSURFACE DRAINAGE

ELECTROOSMOTIC SOIL STABILIZATION 2
use ELECTROKINETIC SOIL
STABILIZATION

ELECTROPHORESIS 1 2 3 6

NOTE: Movement of colloidal particles produced by the application of an electric potential

BT ELECTROKINETIC EFFECTS

RT--CHEMICAL ANALYSIS

--COLLOIDAL PROPERTIES
COLLOIDS

--ELECTRICAL PROPERTIES
ELECTROCHEMICAL SOIL
STABILIZATION

--ELECTRODES
ELECTRODIALYSIS
ELECTROSMOSIS

ELECTROPNEUMATIC VALVES BT PNEUMATIC VALVES VALVES

ELECTROSTATIC PRECIPITATION TO THE DUST CONTROL

ELECTROSTATIC PRECIPITATORS 7
NOTE: Air pollution control devices that remove particulate matter by imparting an electrical charge to particles in a gas stream for mechanical collection on an electrode BT PRECIPITATORS
RT AIR POLLUTION CONTROL EQUIPMENT

ELECTROSTATICS 2 3
RT COULOMB INTERACTIONS
--ELECTRICAL PROPERTIES

ELEMENTS (CHEMISTRY) 2 3 4 6 7
NOTE: Substance that cannot
be further decomposed by
chemical means. Use of a
more specific term is
recommended; consult the terms
listed below
ALUMINUM

ELEMENTS (CHEMISTRY) (Con.) EMBANKMENT CRACKING BT CRACKING (FRACTURING) RT--DAM FAILURES CALCIUM --DAM FAILURES
--EMBANKMENTS
LEVEE FAILURES
SHEAR CRACKS
SHEAR FAILURE CHLORINE COPPER FLUORINE IRON SHRINKAGE CRACKING TENSION CRACKS LEAD LITHIUM MAGNES IUM MANGANESE EMBANKMENT DESIGN MBANKMENT DESIGN 2
BT DESIGN
NT EARTH DAM DESIGN
LEVEE DESIGN
NOCKFILL DAM DESIGN
RT--EMBANKMENT CONSTRUCTION
--EMBANKMENT FOUNDATIONS
EMBANKMENT STABILITY
--EMBANKMENTS MERCURY NICKEL NITROGEN POTASSIUM RARE EARTH ELEMENTS SILICON SODIUM -EMBANKMENTS
GELATIN MODELS
PORE PRESSURE COEFFICIENTS
SEEPAGE CONTROL DESIGN
-SLOPE STABILITY ANALYSIS THORIUM TIN TITANIUM -- SOIL PROPERTIES URANIUM ZINC EMBANKMENT FOUNDATIONS MANKMENT FOUNDATIONS
BT FOUNDATIONS
NT LEVEE FOUNDATIONS
RT DAM FOUNDATIONS
--EMBANKMENT CONSTRUCTION
--EMBANKMENT DESIGN ELEVATION FION 1 BENCH MARKS CONTOURS --HEAD (FLUID MECHANICS)
HYDROSTATICS -- EMBANKMENTS -MAPPING SEA LEVEL GROUT CURTAINS IMPERVIOUS CUTOFFS TOPOGRAPHY EMBANKMENT PIEZOMETERS ELEVATORS (GRAIN) 3 use GRAIN ELEVATORS MEASURING INSTRUMENTS PIEZOMETERS PRESSURE GAGES
PRESSURE GAGES
EARTH DAM INSTRUMENTATION
EARTH DAM PERFORMANCE
-EMBANKMENTS
ROCKFILL DAM INSTRUMENTATION
ROCKFILL DAM PERFORMANCE ELLIPSES RT--GEOMETRY ELLIPTIC FUNCTIONS 6
BT COMPLEX VARIABLES
FUNCTIONS (MATHEMATICS) EMBANKMENT STABILITY ELUTRIATION 7
NOTE: Purification or sizing
by washing and pouring off
the lighter or finer matter
suspended in water, leaving BT STABILITY
RT BASE FAILURES
DAM STABILITY
--EMBANKMENT DESIGN --EMBANKMENTS --REVETMENT the heavier or coarser portions behind --REVETMENT
SEFFAGE PRESSURE
SLOPE FAILURES
--SLOPE PROTECTION
SLOPE STABILITY
--SLOPE STABILITY ANALYSIS
SLOPE STABILIZATION RT EXTRACTION
PURIFICATION SCREENING EMBANKMENT CONSTRUCTION 2
BT CONSTRUCTION
NT EARTH DAM CONSTRUCTION
LEVEE CONSTRUCTION
ROCKFILL DAM CONSTRUCTION
RT-BORROW AREAS
COMPACTION CONTROL
(SOILS) SOIL STABILITY STABILITY BERMS TOE FAILURES MBANKMENTS 1 2 3 4

NOTE: Structures of earth,
gravel, or similar material
raised to form a dam, levee,
foundation for a road, etc.
UP ZONED EMBANKMENTS
NT CANAL EMBANKMENTS
DIKES (EMBANKMENTS)
HIGHWAY EMBANKMENTS
HYDRAULIC FILL DAMS
LEVEES **EMBANKMENTS** COMPACTION EQUIPMENT -COMPACTION (SOILS) -- EARTH HANDLING EQUIPMENT EARTHWORK --EMBANKMENT DESIGN --EMBANKMENT FOUNDATIONS -- EMBANKMENTS -- FIELD CONTROL TESTS LEVEES ROCKFILL DAMS (SOILS)
--FIELD UNIT WEIGHT DETERMINA-TEST EMBANKMENTS TION
PIELD WATER CONTENT DETERMINA---COFFERDAMS COMPACTED SOILS TION --DAMS DIVERSION DAMS OVERCOMPACTION REMOLDED SOILS DUMPED FILLS
-EARTH DAMS
EARTHWORK
-EMBANKMENT CONSTRUCTION
EMBANKMENT CRACKING SOIL (CONSTRUCTION MATERIAL)

EMULSIFIED ASPHALT 2 5 use LIQUID ASPHALT EMBANKMENTS (Con.)
--EMBANKMENT DESIGN
--EMBANKMENT POUNDATIONS
EMBANKMENT PIEZOMETERS EMULSIFYING AGENTS 2 3 5 NOTE: Materials that increase the stability of a dispersion of one liquid in another RT--CONCRETE ADMIXTURES EMBANKMENT STABILITY -- FILLS FILTER BLANKETS PHREATIC LINE DISPERSANTS --REVETMENT --RIPRAP -- EMULSIONS SURFACTANTS WETTING AGENTS --ROADS SLOPE PROTECTION MULSIONS 2 3 5
NOTE: Colloidal suspension
of one liquid in another
NT ASPHALT EMULSIONS
RT COLLOIDS EMULSIONS --SLOPES EMBAYMENTS use BAYS (TOPOGRAPHIC FEATURES) DISPERSION (SOILS)
DRILLING FLUIDS
EMULSIFYING AGENTS
LIQUID ASPHALT EMERGENCY CLOSURES 1
RT CHECK VALVES
CONTROL STRUCTURES
EMERGENCY GATES
FLOODGATES SLURRIES -- OUTLET WORKS ENCYCLOPEDIAS 6
RT DICTIONARIES STOP LOGS EMERGENCY GATES 1
BT HYDRAULIC GATES
RT COASTER GATES
EMERGENCY CLOSURES END BEARING PILE FOUNDATIONS ND BEARING FILE FOUNDATIONS

BT DEEP FOUNDATIONS
FOUNDATIONS
PILE FOUNDATIONS
RT END BEARING FILES
FRICTION FILE FOUNDATIONS
DOINT BESIGNANCE (FILES) EMERGENCY SPILLWAYS 1 POINT RESISTANCE (PILES) BT SPILLWAYS END BEARING PILES 2
UF POINT BEARING PILES
BT PILES EMINENT DOMAIN 6
RT LAND ACQUISITION
LAND APPRAISAL
RIGHT OF WAY END BEARING PILE FOUNDATIONS FRICTION PILES EMISSION SPECTROSCOPY 3 7 POINT RESISTANCE (PILES) BT SPECTROSCOPY RT ATOMIC SPECTROSCOPY END BEARING RESISTANCE (PILES) use POINT RESISTANCE (PILES) SPECTROCHEMICAL ANALYSIS ULTRAVIOLET SPECTROSCOPY END SILLS 1
NOTE: Component of stilling basin
RT DENTATED SILLS EMISSIONS RT AEROSOLS
AIR POLLUTION
AIRBORNE WASTES
DUST ENERGY DISSIPATORS
(HYDRAULIC STRUCTURES)
STILLING BASINS EFFLUENTS
--EXHAUST GASES
FLUE GASES
FLY ASH SUBMERGED SILLS ENDANGERED SPECIES RUMES RT BALANCE OF NATURE BIOGEOGRAPHY -- INDUSTRIAL WASTES **ODORS** -ECOLOGY PLUMES -- ENVIRONMENTAL EFFECTS SMOG SMOKE FISH MANAGEMENT FOOD CHAINS SOOT WILDLIFE MISSIVITY 2 NOTE: Ratio of emissive power of a surface at a given temperature to that of a EMISSIVITY ENDURANCE TESTS (VEHICLES) 5
BT FIELD TESTS
VEHICLE TESTS
RT DURABILITY TESTS
FATIGUE TESTS
THE THESTS temperature to that of a blackbody at the same temperature and with the same surroundings RT ELACKBODY TIRE TESTS TRACKS GRAYBODY ENERGY 1 2 4 6 7
NOTE: Use of a more specific term is recommended; consult the terms listed below ELECTRICAL ENERGY EMPIRICAL EQUATIONS 2 RT--NUMERICAL ANALYSIS EMPLACEMENTS ELECTRICAL ENERGY
ENERGY ABSORPTION
ENERGY BALANCE
ENERGY BUDGET
ENERGY DISSIPATION
ENERGY DISSIPATORS
(HYDRAULIC STRUCTURES) NOTE: Prepared positions from which heavy guns are fired or from which a unit executes its fire mission RT--ARTILLERY --GUNS (ORDNANCE) ENERGY EQUATION

The state of the s

ENERGY (Con.)
ENERGY GRADIENTS
ENERGY LOSSES
ENTROPY GEOTHERMAL RESOURCES HEAT HEAT OF HYDRATION KINETIC ENERGY MECHANICAL ENERGY POTENTIAL ENERGY RADIATION SOLAR RADIATION SPECIFIC HEAD THERMAL ENERGY TIDAL ENERGY VELOCITY HEAD WASTE HEAT WATER WAVES ENERGY ABSORPTION 1 2 4 BT ENERGY LOSSES RT--DAMPING ENERGY DISSIPATION FRICTION RESISTANCE SHOCK ABSORPTION WATER WAVE ABSORBERS ENERGY BALANCE AIR-EARTH INTERFACES BALANCE OF NATURE -- ENERGY BUDGET EVAPORATION HEAT BUDGET HEAT LOSS HEAT TRANSFER --TEMPERATURE ENERGY BUDGET NERGY BUDGET 7
NOTE: Flow of energy of an object or locality expressed in terms of incoming and outgoing radiation NT HEAT BUDGET
RT BALANCE OF NATURE CYCLING NUTRIENTS ENERGY BALANCE FUTBORY ENTROPY EVAPORATION FOOD CHAINS HYDROLOGIC CYCLE PRIMARY PRODUCTIVITY
--TRANSPIRATION ENERGY DISSIPATION 1 2 3 4
BT ENERGY LOSSES
RT BAFFLE PIERS CHUTE BLOCKS DENTATED SILLS ENERGY ABSORPTION ENERGY DISSIPATORS (HYDRAULIC STRUCTURES)
ENERGY EQUATION
ENERGY GRADIENTS
FLIP BUCKETS -- GRADIENTS HEAD LOSSES PLUNGE BASINS SHAFT SPILLWAYS SIDE CHANNEL SPILLWAYS SKI-JUMP SPILLWAYS STILLING BASINS WAVE DISPERSION ENERGY DISSIPATORS (HYDRAULIC STRUCTURES) 1 UF DISSIPATORS (ENERGY) BAFFLE PIERS BAFFLES

DENTATED SILLS DROP STRUCTURES END SILLS ENERGY DISSIPATION FLIP BUCKETS

-- GRADIENTS

ENERGY DISSIPATORS (HYDRAULIC STRUCTURES) (Con.)
HYDRAULIC JUMP JET DIFFUSION
SPILLWAY BUCKETS
STILLING BASINS ENERGY EQUATION 1
RT ENERGY DISSIPATION
ENERGY GRADIENT --FLOW -- GRADIENTS --HYDRAULICS MOMENTUM EQUATION PRESSURE HEAD -VELOCITY VELOCITY HEAD ENERGY GRADIENTS NERGY GRADIENTS 1
BT GRADIENTS
RT BACKWATER PROFILES
CRITICAL DEPTH
CRITICAL VELOCITY
ENERGY DISSIPATION
ENERGY EQUATION
HEAD LOSSES
SIDES --SLOPES --VELOCITY VELOCITY HEAD ENERGY LOSSES 2 4

NT ENERGY ABSORPTION
ENERGY DISSIPATION RT--FRICTION VISCOSITY WAVE ATTENUATION ENERGY LOSSES (HYDRAULICS)
use HEAD LOSSES ENERGY METHODS 3
BT STRUCTURAL ANALYSIS
NT COMPLEMENTARY ENERGY METHODS STRAIN ENERGY METHODS
RT--COMPATIBILITY METHODS
--DEFORMATION METHODS
DYNAMIC STRUCTURAL ANALYSIS
ELASTIC ANALYSIS
--EQUILIBRIUM METHODS
--FLEXIBILITY METHODS --MATRIX METHODS
--PLASTIC ANALYSIS
STATIC STRUCTURAL ANALYSIS
STATICALLY DETERMINATE STRUCTURES STATICALLY INDETERMINATE STRUCTURES
--STIFFMESS METHODS
UNIT DISPLACEMENT METHODS
YIELD LINE METHOD ENERGY RESOURCES UF POWER RESOURCES
NT GEOTHERMAL RESOURCES
RT WINDMILLS ENERGY STORAGE 6
RT CAPACITORS
ENERGY TRANSFER ENERGY TRANSFER 6
RT ENERGY STORAGE
HEAT TRANSFER ENGINEERING 1 2 5 6
NOTE: Use of a more specific
term is recommended; consult
the terms listed below
AEROSPACE ENGINEERING
AGRICULTURAL ENGINEERING

AUTOMATION

ENGINEERING (Con.)
AUTOMOTIVE ENGINEERING CHEMICAL ENGINEERING CIVIL ENGINEERING COASTAL ENGINEERING COST ENGINEERING DRAINAGE ENGINEERING DRAINAGE ENGINEERING
EARTHQUAKE ENGINEERING
ELECTROLAL ENGINEERING
ELECTRONIC ENGINEERING
ENGINEERING AS A PROFESSION
ENGINEERING GEOLOGY
ENGINEERING GEOLOGY
ENGINEERING INTELLIGENCE
ENGINEERING LABORATORIES
ENGINEERING LAW
ENGINEERING MATHEMATICS
ENGINEERING RESEARCH
ENGINEERING SERVICES
ENVIRONMENTAL ENGINEERING ENVIRONMENTAL ENGINEERING GEOTECHNICAL ENGINEERING GEOTECHNICAL ENGINEERING HARBOR ENGINEERING HUMAN FACTORS ENGINEERING HYDRAULIC ENGINEERING INDUSTRIAL ENGINEERING IRRIGATION ENGINEERING MANAGEMENT ENGINEERING MARINE ENGINEERING MECHANICAL ENGINEERING MECHANICAL ENGINEERING MILITARY ENGINEERING MILITARY ENGINEERING MINING ENGINEERING MINING ENGINEERING MINING ENGINEERING MUNICIPAL ENGINEERING NUCLEAR ENGINEERING OCEAN ENGINEERING PETROLEUM ENGINEERING RAILROAD ENGINEERING RIVER ENGINEERING ROAD ENGINEERING SAFETY ENGINEERING SANITARY ENGINEERING STRUCTURAL ENGINEERING SYSTEMS ENGINEERING TECHNOLOGY TRAFFIC ENGINEERING VALUE ENGINEERING WATER SUPPLY ENGINEERING

ENGINEERING AS A PROFESSION

ENGINEERING CONTRACTS use CONTRACTS

ENGINEERING COSTS BT COSTS
RT CONSTRUCTION MANAGEMENT
COST ENGINEERING PROFITS

ENGINEERING DRAWINGS 6 UF MECHANICAL DRAWINGS BT DRAWINGS RT DRAFTING (DRAWING)

ENGINEERING ECONOMY use COST ENGINEERING

ENGINEERING EDUCATION 2 6

ENGINEERING GEOLOGY NOTE: Application of geological facts and principles to engineering practice
UF GEOLOGIC ENGINEERING
BT GEOLOGY
RT--CIVIL ENGINEERING DAM FOUNDATIONS --ECONOMIC GEOLOGY
--GEOLOGICAL INVESTIGATIONS
--GEOPHYSICAL EXPLORATION
GEOTECHNICAL ENGINEERING

HYDROGEOLOGY

ENGINEERING GEOLOGY (Con.) MARINE GEOLOGY MILITARY GEOLOGY MINING ENGINEERING PETROLEUM GEOLOGY ROCK MECHANICS SEDIMENTARY PETROLOGY

ENGINEERING INTELLIGENCE 5 6
BT INTELLIGENCE
RT AERIAL SURVEYS
--ENVIRONMENTAL ANALYSIS
MILITARY GEOGRAPHIC
INTELLIGENCE TERRAIN ANALYSIS

ENGINEERING LABORATORIES 6 BT LABORATORIES

ENGINEERING LAW

ENGINEERING MATHEMATICS
RT MATHEMATICAL PHYSICS

ENGINEERING MEASURING DEVICES 2 3 6 (ENGINEERING) UF MEASURING DEVICES OTE: Use of a more specific term is recommended; consult the terms listed below LABORATORY EQUIPMENT MEASURING INSTRUMENTS PENETROMETERS SURVEYING INSTRUMENTS VANE SHEAR EQUIPMENT

ENGINEERING MECHANICS use MECHANICS

ENGINEERING MODELS 6
BT MODELS

ENGINEERING RESEARCH RT--OPERATIONS RESEARCH SYSTEMS ENGINEERING TECHNICAL SOCIETIES

ENGINEERING SERVICES
RT CONSTRUCTION
--DESIGN

ENGINEERING SOCIETIES 6
use TECHNICAL SOCIETIES

ENGINEERING STANDARDS 2 3 4 5 6 use STANDARDS

ENGINEERING SYMBOLS use SYMBOLS

NT CONSULTING ENGINEERS RT SCIENTISTS

ENGINES NOINES 5
NOTE: Limited to automotive and aircraft engines
RT FUEL CONSUMPTION
FUEL SYSTEMS PROPULSION

ENRICHMENT NOTE: Addition of nitrogen, phosphorus and carbon phosphorus and carbon compounds or other nutrients into a lake or other waterway that greatly increases the growth potential for algae and other aquatic plants ALGAL NUTRIENTS
BIOLOGICAL PRODUCTIVITY
BIOSTIMUM ATION BIOSTIMULATION
DISSOLVED ORGANIC MATTER

ENRICHMENT (Con.)
EUTROPHICATION ENVIRONMENTAL ANALYSIS (Con.)
--ENVIRONMENTS LIMNOLOGY --INTELLIGENCE MILITARY GEOGRAPHIC NUTRIENTS PHOSPHORUS CYCLE INTELLIGENCE SYNTHALOGOUS ENVIRONMENT PLANKTON BLOOMS --WATER POLLUTION ENVIRONMENTAL EFFECTS ENTERIC BACTERIA NOTE: Resultant or natural or man-made perturbations of the physical, chemical or BT BACTERIA MICROORGANISMS the physical, chemical or biological components making up the environment NT WINTERKILLING RT ACCLIMATIZATION --ADAPTATION ANIMAL BEHAVIOR BALANCE OF NATURE BIOLOGY RT--AQUATIC MICROORGANISMS
COLIFORMS PATHOGENIC BACTERIA TRAINMENT 1 3 7
NT--AIR ENTRAINMENT
AIR ENTRAINMENT ENTRAINMENT (CONCRETE) BIOLOGY AIR ENTRAINMENT (WATER) -- ECOLOGY RT--ABSORPTION EDGE EFFECT ENDANGERED SPECIES AERATION DISPERSION ENDIRONMENTAL ANALYSIS
ENVIRONMENTAL ENGINEERING
ENVIRONMENTAL GRADIENT
ENVIRONMENTAL IMPACT STATEMENTS FLOCCULATION FOGGING MIXING -ENVIRONMENTS EPIPHYTOLOGY ENTRANCE CHANNELS 1
BT CHANNELS
RT APPROACH CHANNELS
--DEBRIS BARRIERS EVAPORATION FERTILIZATION FISH MANAGEMENT -DEBRIS BARRIERS
FREEBOARD
INTAKE CHANNELS
INTAKE TRANSITIONS
OPEN CHANNEL FLOW
SPILLWAY APPROACHES
TRAINING WALLS -HABITATS LIMITING FACTORS MICROENVIRONMENT MIGRATION MORTAL ITY PHENOLOGY PHYSIOLOGICAL ECOLOGY
--PLANTS (BOTANY)
--POPULATIONS ENTRANCES (FLUID FLOW)
RT BELLMOUTHS
FISHWAYS -- PRODUCTIVITY
-- SUCCESSION FLOW PATTERNS HEAD LOSSES HEADWORKS PENSTOCKS PUMPING STATIONS ENVIRONMENTAL ENGINEERING 1 2 6 7
RT AIR CONDITIONING
--CIVIL ENGINEERING
COOLING
--ENVIRONMENTS --TRANSITIONS (HYDRAULICS) VENTILATION -- VORTICES EPIDEMIOLOGY -- WATER TUNNELS HEATING HEATING
HUMAN FACTORS ENGINEERING
HUMAN FACTORS ENGINEERING
HUMIDITY CONTROL
LIGHTING
PUBLIC HEALTH
SAFETY ENGINEERING
SANITARY ENGINEERING
SITE SELECTION
TEMPERATURE CONTROL ENTRAPPED AIR BT AIR GASES RT AIR ENTRAINMENT (WATER)
AIR TRAPS
AIR VENTS TEMPERATURE CONTROL
TEMPERATURE DISTRIBUTION
THERMAL STRESSES
-VENTILATION AIR-WATER INTERFACES BUBBLES -PIPELINES -- VORTICES --WASTE DISPOSAL --WATER POLLUTION ENTROPY 7
NOTE: Degradation of energy,
a measure of the degree of
disorder of a system
RT--ENERGY BUDGET ENVIRONMENTAL FACTORS NOTE: Specific attributes of the en-vironment that can be described in quantitative terms UF PACTOR CLASS PACTOR FAMILY FACTOR VALUE ENVELOPE (WATER WAVES) 1
use WATER WAVE SPECTRA NT-METEOROLOGICAL FACTORS
--TERRAIN FACTORS
RT--ENVIRONMENTAL ANALYSIS
ENVIRONMENTAL MODELS
(ANALYTICAL)
--ENVIRONMENTS ENVIRONMENTAL ANALYSIS 5
UF ENVIRONMENTAL STUDIES
ENVIRONMENTAL SURVEYS
NT TERRAIN ANALYSIS
RT AERIAL SURVEYS
AIRPHOTO INTERPRETATION
BORDER SECURITY
ENGINEERING INTELLIGENCE
ENVIRONMENTAL EPERCTS METEOROLOGICAL DATA ENVIRONMENTAL GRADIENT ENVIRONMENTAL EFFECTS
-ENVIRONMENTAL FACTORS
ENVIRONMENTAL MODELS
(ANALYTICAL) BT ECOLOGY PT--BIOLOGICAL COMMUNITIES DISTRIBUTION PATTERNS -- ECOTYPES

ENVIRONMENTS (Con.)
THERMAL ENVIRONMENT
TROPICAL REGIONS
UNDERWATER ENVIRONMENT
ACCLIMATIZATION
ATMOSPHERE ENVIRONMENTAL GRADIENT (Con.) -- ENVIRONMENTAL EFFECTS
-- ENVIRONMENTS -- POPULATIONS -- SUCCESSION THERMOCLINES --BIOLOGY ENVIRONMENTAL IMPACT STATEMENTS 7 NVIRONMENTAL IMPACT STATEMENTS
NOTE: Documents prepared
by an agency on the
environmental impact of its
proposals for legislation and
other major actions significantly affecting the quality
of the human environment
RT--ENVIRONMENTAL EFFECTS
ENVIRONMENTAL MANAGEMENT
PUBLIC RELATIONS BOTANY --CLIMATOLOGY COMPETITION -ECOLOGY --ENVIRONMENTAL ANALYSIS
--ENVIRONMENTAL EFFECTS
ENVIRONMENTAL ENGINEERING
--ENVIRONMENTAL FACTORS ENVIRONMENTAL GRADIENT ENVIRONMENTAL MODELS PUBLIC RELATIONS (ANALYTICAL)
-GEOGRAPHY ENVIRONMENTAL MANAGEMENT 7
BT MANAGEMENT 7 --HABITATS
HEAT BUDGET
HUMAN ECOLOGY
HUMAN FACTORS ENGINEERING RT--CONSERVATION ENVIRONMENTAL IMPACT STATEMENTS HUMIDITY PHOTOPERIODISM ENVIRONMENTAL MODELS --PLANTS (BOTANY)
REFERENCE TEST AREAS NOTE: Type of structural model in which both geometry and material properties are to scale; excludes mathematical -- REGIONS --SUCCESSION --TEMPERATURE --TERRAIN models MODELS STRUCTURAL MODELS VEGETATIVE COVER WEATHER ENVIRONMENTAL ENGINEERING MACH MODELS NZYMES 7
NOTE: Organic catalysts,
produced by living cells,
each kind determining a
specific chemical reaction,
e.g., diastase which digests
starch
RT PROTEINS ENVIRONMENTAL MODELS (ANALYTICAL) 5 7
BT MATHEMATICAL MODELS
MODELS MODELS

TERRAIN MODELS (ANALYTICAL)

COMPUTERIZED MODELS

--ENVIRONMENTAL ANALYSIS

--ENVIRONMENTAL FACTORS --ENVIRONMENTS
--MILITARY OPERATIONS ECCENE EPOCH 2 BT TERTIARY PERIOD SYNTHALOGOUS ENVIRONMENT EPHEMERAL STREAMS
BT RUNNING WATERS
STREAMS ENVIRONMENTAL MONITORING NOTE: Systematic (simultaneous or sequential) measuring of various components constituting the environment ARROYOS DRY BEDS INTERMITTENT STREAMS
PERENNIAL STREAMS
--PRECIPITATION (METEOROLOGY) ENVIRONMENTAL STUDIES 5
use ENVIRONMENTAL ANALYSIS EPIBENTHOS ENVIRONMENTAL SURVEYS 5
use ENVIRONMENTAL ANALYSIS use BENTHOS EPIDEMIOLOGY ENVIRONMENTS 1 2 3 5 6
UF AMBIENT CONDITIONS
NT ABIOTIC ENVIRONMENT
ARCSPACE ENVIRONMENT
ANTARTIC REGIONS
--AQUATIC ENVIRONMENT
ABOUT REGIONS NOTE: Study of diseases as they affect populations RT BACTERIOLOGY DISEASE VECTORS ENVIRONMENTAL ENGINEERING EPIZOOTIOLOGY ARCTIC REGIONS
ARID REGIONS
BATHYL ZONE
-BENTHONIC ZONE MORBIDITY MORTALITY PUBLIC HEALTH --WATER POLLUTION ESTUARINE ENVIRONMENT EPILIMNION LENTIC ENVIRONMENT LITTORAL ZONE NOTE: Turbulent superficial layer of a lake between the surface and a horizontal plane marked LOTIC ENVIRONMENT LUNAR ENVIRONMENT by the maximum gradient of temperature and density change HYPOLIMNION -- MARINE ENVIRONMENT MICROENVIRONMENT RT NERITIC ZONE
--PELOGIC ZONE
PERMAPROST REGIONS --LAKES LIMNOLOGY -- RESERVOIRS -POLAR REGIONS SUBARCTIC REGIONS SYNTHALOGOUS ENVIRONMENT TEMPERATE REGIONS --STRATIFICATION (WATER)
THERMAL STRATIFICATION
THERMOCLINES

WATER QUALITY

EPIPHYTOLOGY NOTE: Science that deals with character, ecology, and causes of outbreak of plant diseases RT--ENVIRONMENTAL EFFECTS -- PLANTS (BOTANY) EPIZOOTIOLOGY NOTE: Study of organisms causing disease in many animals of one kind at the same time (animal epidemics)

RT EPIDEMIOLOGY MORBIDITY -- PARASITES PUBLIC HEALTH --WATER POLLUTION use EPOXY COMPOUNDS EPOXY-ASPHALT CONCRETE 2 3 5 BT CONCRETES
RT BITUMINOUS CONCRETES
EPOXY RESINS EPOXY COATINGS 2 3 5 COATINGS ABRASION RESISTANT COATINGS DUST CONTROL EPOXY RESINS PROTECTIVE COATINGS
PROTECTIVE COATINGS
(LANDING MATS)
PROTECTIVE COATINGS (MEMBRANES) EPOXY COMPOUNDS UF EPOXIDES RT EPOXY RESINS EPOXY CONCRETE 2 3 5 use RESIN CONCRETE EPOXY GROUTING 2 3 BT GROUTING RT--CHEMICAL GROUTING EPOXY GROUTS EPOXY RESINS RESINOUS SOIL STABILIZATION EPOXY GROUTS 2 3 GROUTS RT-CHEMICAL GROUTS EPOXY GROUTING EPOXY RESINS EPOXY LAMINATES 2 3 BT COMPOSITE MATERIALS LAMINATED PLASTICS REINFORCED PLASTICS EPOXY RESINS
PHENOLIC LAMINATES
POLYESTER LAMINATES EPOXY RESINS 2 3 5 BT POLYETHER RESINS RESINS (SYNTHETIC) RT--ADHESIVES ADHESIVES
BINDERS
EPOXY-ASPHALT CONCRETE
EPOXY COATINGS
EPOXY GOMPOUNDS
EPOXY GROUTING
EPOXY GROUTING
EPOXY GROUTS
EPOXY LAMINATES
PIBER REINFORCED PLASTICS -LININGS MASONRY CEMENTS PHENOLIC COMPOUNDS RESIN CEMENTS RESIN CONCRETE

--SEALERS

BT IMPOUNDMENTS RESERVOIRS RT--DAMS FOREBAYS -- IRRIGATION --LAKES
RESERVOIR CAPACITY
RESERVOIR SITES
RESERVOIR STORAGE RESERVOIR STORAGE
--WATER SUPPLY

EQUATIONS 1 2 6

NOTE: Use of a more specific term is recommended; consult the terms listed below BERNOULLI EQUATION
BERTRAND QUALIFYING
EQUATION
CONSTITUTIVE EQUATIONS
CONTINUITY EQUATION
COULOMB EQUATION
DARCY-WEISBACH EQUATION
DARCY-WEISBACH EQUATIONS
DIFFERENCE EQUATIONS
DIFFERENTIAL EQUATIONS
DIFFERENTIAL EQUATIONS
DIMENSIONAL ANALYSIS
DUPUITS EQUATIONS
EMPIRICAL EQUATIONS
EMPIRICAL EQUATIONS
EMPIRICAL EQUATIONS
EQUATIONS OF MOTION
EQUATIONS OF STATE
EULER EQUATIONS OF MOTION
HAZEN-WILLIAMS EQUATION
HOOKES LAW
HUGONIOT EQUATIONS
KUTTER FORMULA
LAGRANGE EQUATIONS OF
MOTION
LAPLACE EQUATION OF
LAPLACE EQUATION -- WATER SUPPLY LAPLACE EQUATION
LINEAR ALGEBRAIC EQUATIONS
LINEAR DIPFERENTIAL
EQUATIONS EQUATIONS
MANNING EQUATION
MATHEMATICAL ANALYSIS
MATHICES (MATHEMATICS)
MAXWELLS WAVE EQUATIONS
MOMENTUM EQUATION
NAVIER-STOKES EQUATION NONLINEAR ALGEBRAIC EQUATIONS NONLINEAR DIFFERENTIAL EQUATIONS NUMERICAL ANALYSIS NUMERICAL CALCULATIONS ORDINARY DIFFERENTIAL EQUATIONS ORR-SUMMERFIELD EQUATION PARTIAL DIFFERENTIAL EQUATIONS
SCOBEY FORMULAS
ST. VENANT EQUATION
THEIM EQUATION THEORY OF EQUATIONS VAN DER POL DIFFERENTIAL EQUATION
VAN DER WAALS EQUATION
WAVE EQUATIONS
WAVE EQUATIONS (PILES) QUATIONS OF MOTION 1 2 6
NOTE: Differential equations
stating the law by which
a particle moves
UF MOTION EQUATIONS
BT DIFFERENTIAL EQUATIONS
NT EULER EQUATIONS OF MOTION
LAGRANGE EQUATIONS OF
MOTION EQUATIONS OF MOTION MOTION RT--DYNAMICS NAVIER-STOKES EQUATION

EQUALIZING RESERVOIRS

EQUATIONS OF STATE 2 6
NOTE: Group of mathematical
expressions relating the
volume, pressure and
temperature of a substance
UF CHARACTERISTIC EQUATIONS
NT VAN DER WAALS EQUATION
RT--CONSTITUTIVE EQUATIONS
CONSTITUTIVE MODELS
THERMODYNAMICS

EQUILIBRIUM 1 2 7

UF DYNAMIC EQUILIBRIUM
PLASTIC EQUILIBRIUM
PLASTIC EQUILIBRIUM
PLASTIC EQUILIBRIUM
FOR BALANCE OF NATURE
--DIFFUSION
--ECOSYSTEMS
PLUCTUATION
HOMOSTASIS
HYDROLOGIC EQUATION
--POPULATIONS
REGIME
--STATICS
STEADY STATE
STREAM DEGRADATION
UNSTEADY STATE
WATER BALANCE

EQUILIBRIUM EQUATION 1
use THIEM EQUATION

EQUILIBRIUM FLOW 1
BT FLUID FLOW
GAS FLOW
NT PROZEN EQUILIBRIUM FLOW
SHIFTING EQUILIBRIUM FLOW
RT NONEQUILIBRIUM FLOW

EQUILIBRIUM METHODS 3 4
BT STRUCTURAL ANALYSIS
NT--FLEXIBILITY METHODS
UNIT LOAD METHOD
ELASTIC ANALYSIS
--ENERGY METHODS
--MATRIX METHODS
--PLASTIC ANALYSIS
STABILITY METHODS
STATIC STRUCTURAL ANALYSIS
STATICALLY DETERMINATE
STRUCTURES
STATICALLY INDETERMINATE
STRUCTURES
STRAIN ENERGY METHODS
YIELD LINE METHOD

EQUIPMENT 1 2 3 5 6

NOTE: Use of a more specific term is recommended; consult the terms listed below AIRBORNE EQUIPMENT ANTISKID DEVICES CAMERAS COMPACTION EQUIPMENT CONSTRUCTION EQUIPMENT CONTROL EQUIPMENT COUPLINGS (VEHICLES) EARTH HANDLING EQUIPMENT ELECTRIC EQUIPMENT ELECTRIC EQUIPMENT FLOW REGULATORS FLUID AMPLIPIERS FLUID AMPLIPIERS FLUID AMPLIPIERS FLUID AMPLIPIERS FLUID AMPLIPIERS MILITARY EQUIPMENT MEASURING INSTRUMENTS MILITARY EQUIPMENT OPTICAL INSTRUMENTS PAVING EQUIPMENT HADAR EQUIPMENT HADAR EQUIPMENT HADAR EQUIPMENT HECORDING INSTRUMENTS

EQUIPMENT (Con.)
SAFETY DEVICES SAMPLERS SHEAR EQUIPMENT
TEST EQUIPMENT
TIRE TEST EQUIPMENT
VANE SHEAR EQUIPMENT EQUIVALENT SINGLE-WHEEL LOAD LOADS (FORCES)
TRAFFIC LOADS
LOAD TESTS (PAVEMENTS) STRESSES UNDER WHEELS EQUIVOLUMINAL WAVES use SHEAR WAVES EROSION 1 5 7 NT BANK EROSION
BEACH EROSION
CHANNEL EROSION
CONCRETE EROSION -- DEGRADATION GLACIAL EROSION GULLY EROSION RETROGRESSIVE EROSION SCOUR SHEET EROSION SOIL EROSION STREAM DEGRADATION STREAM EROSION WASHOUTS WIND EROSION RT ABRASION -- CANYONS CAVITATION CHANGES OF LEVEL (GEOLOGY) CLOUDBURSTS COLLUVIUM COMMINUTION --DAMAGE DEBRIS --DEGRADATION
--DETERIORATION DETRITUS DURABILITY --EROSION CONTROL FLOOD DAMAGE --FLUVIAL MORPHOLOGY --GEOMORPHOLOGY GLACIATION GRINDING (COMMINUTION) GULLIES HYDROGEOLOGY LAND MANAGEMENT --MASS WASTING PEDIMENTS PENEPLAINS --PHYSICAL GEOLOGY PIPING (SEEPAGE) RAIN AND RAINFALL --RUNNING WATERS SCARPS SCOUR SEDIMENT YIELD --SEDIMENTATION --SLIDES --STORMS STREAMBED PROFILES TALUS TEST CANALS TOPOGRAPHY TURBIDITY CURRENTS

EROSION AROUND BRIDGE PIERS
USe SCOUR

WEATHERING (GEOLOGY)

--VALLEYS --WATER WAVES WEAR

EROSION BELOW SPILLWAYS 2 ESTIMATES RT--ALLOCATIONS --APPRAISALS EROSION CONTROL 1 2 3 5 7

NT EROSION CONTROL BY
VEGETATION
RT ARMORING (STREAMBEDS)
BANK PROTECTION
BANK STABILITY
DIAMPETS BUDGETING CONSTRUCTION COSTS --CONTRACTS FORECASTING --VALUE STUARIES 1 2 7
NOTE: Arms of seas at the mouths of rivers, in which the currents of the rivers meet the tide
UF TIDAL RIVERS
BT COASTAL TOPOGRAPHIC FEATURES
TOPOGRAPHIC FEATURES
WATERWAYS (WATERCOURSES)
RT-AQUATIC ENVIRONMENT
AQUATIC HABITATS
BAYS (TOPOGRAPHIC FEATURES)
BORES (TIDAL)
COASTAL MORPHOLOGY
ESTUARINE ENVIRONMENT
ESTUARINE ENVIRONMENT
ESTUARINE POLLUTION
ESTUARY MODELS --BLANKETS ESTUARIES CAVITATION CONTROL CHANNEL STABILIZATION CHECK DAMS
--CHECK STRUCTURES
COASTAL ENGINEERING
DAM FACINGS
DIVERSION STRUCTURES -- EROSION EROSION RESISTANCE (CONCRETE) FLOOD CONTROL GABIONS GRAVEL BLANKETS GULLY EROSION -I.ININGS --MATTRESSES
MEANDERING STREAMS
MULCHES ESTUARY MODELS FIXED-BED MODELS PLUNGE BASINS -- REVETMENT --FLUVIAL MORPHOLOGY GULFS --RIPRAP RIVER TRAINING INFLOW INTERTIDAL ZONE RIVER TRAINING
ROCK BLANKETS
SHORE PROTECTION
--SLOPE PROTECTION
SLOPE STABILITY
SLOPE STABILITY
SOIL CEMENT
SOIL CEMENT
SOIL CONSERVATION
SOIL EROSION
--SOIL STABILIZATION
SUBMERGED SILLS MOVABLE-BED MODELS OCEAN TIDES OCEANOGRAPHY -OCEANS RIVER MOUTHS RIVERS SALINE LAKES SALT-WATER-FRESHWATER INTERFACES
SALT-WATER INTRUSION
SEA LEVEL CHANGES
SEA WATER SUBMERGED SILLS VEGETATION WATER CONTROL
WATER MANAGEMENT
WATER RESOURCES MANAGEMENT
WATERSHED MANAGEMENT SEA WATER
--STRAITPICATION (WATER)
--STREAMS
TIDAL CURRENTS
TIDAL ENTRANCES
TIDAL PLUSHING
TIDAL HYDRAULICS
TIDAL INLETS
TIDAL MARSHES
TIDAL BELSM EROSION CONTROL BY VEGETATION 1 2 5 BT EROSION CONTROL RT--GRASSES --SLOPE PROTECTION
VEGETATION EFFECTS
VEGETATIVE COVER TIDAL PRISM --TIDES -- WATER CURRENTS EROSION RESISTANCE (CONCRETE)
RT--CONCRETE DURABILITY
CONCRETE EROSION
EROSION CONTROL
WEATHERING (CONCRETE) ESTUARINE ECOLOGY 1 7
BT ECOLOGY
RT ESTUARIES
ESTUARIES ENVIRONMENT ESTUARINE POLLUTION MARINE ECOLOGY ERROR ANALYSIS 1 2 6
BT NUMERICAL ANALYSIS
RT FINITE DIFFERENCE METHOD PROBABILITY THEORY
--STATISTICAL ANALYSIS
STATISTICAL DISTRIBUTIONS ESTUARINE ENVIRONMENT 1
BT AQUATIC ENVIRONMENT
ENVIRONMENTS ESTUARIES ESTUARINE ECOLOGY ESTUARINE POLLUTION ERROR CORRECTING CODES 6
RT BINARY SYSTEM (MATHEMATICS) ESTUARINE POLLUTION 1
RT ESTUARIES
ESTUARINE ECOLOGY
ESTUARINE ENVIRONMENT ERUPTIVE ROCKS 2
use EXTRUSIVE ROCKS ESKERS SKERS 2 NOTE: Narrow ridges or mounds of gravelly and sandy drift, deposited by a subglacial ESTUARY MODELS BT HYDRAULIC MODELS TIDAL MODELS RT BED MATERIALS (MODELS)
--DYES Stream
BT GLACIAL FEATURES
RT DRUMLINS ESTUARIES -- FLUORESCENT DYES GLACIAL TILL

KAMES MORAINES ESTUARY MODELS (Con.)
HYDRAULIC SIMILITUDE
PONTACYL BRILLIANT PINK
SALT WATER INTRUSION
SEDIMENT TRANSPORT MODELS
SEMIRIGID MODELS
SHOALING MATERIALS (MODELS)
TIDAL HYDRAULICS
TIDE GENERATORS
UHANIN URANIN ETHOLOGY 7 use ANIMAL BEHAVIOR EUCLIDEAN GEOMETRY BT GEOMETRY
NT--ANALYTIC GEOMETRY
PLANE GEOMETRY
PROJECTIVE GEOMETRY SOLID GEOMETRY RT TRIGONOMETRY EUGLENOPHYTA ALGAE PLANTS (BOTANY) EULER EQUATIONS OF MOTION BT EQUATIONS OF MOTION EURYTOPICITY NOTE: Capacity of an organism to live under a wide range of environmental conditions RT--ADAPTATION -- TOLERANCES (PHYSIOLOGY) EUTROPHICATION 1 7 NOTE: Aging process by which a lake evolves into a bog or marsh and ultimately assumes a completely terrestrial state
and disappears
r ALGAL NUTRIENTS
--AQUATIC ALGAE
DYSTROPHY ENRICHMENT FISH KILLS HYDROGEN SULFIDE LIMNOLOGY --NUTRIENTS OLIGOTROPHY OXYGEN OXYGEN DEPLETION OXYGEN SAG PLANKTON BLOOMS PRIMARY PRODUCTIVITY
PRODUCTIVITY STAGNANT WATER
TROPHIC LEVEL
--WATER POLLUTION
WATER PROPERTIES
WATER QUALITY EVALUATION VALUATION 3 5 6
NT LAND APPRAISAL
--PAVEMENT PERFORMANCE AND
EVALUATION EVALUATION
UNSURFACED RUNWAY PERFORMANCE AND EVALUATION
ACCEPTANCE TESTS
ADDATCALS -- APPRAISALS COMPAISAN CORRELATION TECHNIQUES --COST ANALYSIS CRITERIA

FEASIBILITY STUDIES FORECASTING INSPECTION LANDING MAT RECOVERY

AND REUSE

EVALUATION (Con.)
MEMBRANE RECOVERY AND REUSE PERFORMANCE PREDICTIONS PERFORMANCE TESTS (VEHICLES) QUALITY
--QUALITY CONTROL
--VALUE EVAPORATION 1 2 3 6 7
BT VAPORIZING
NT PAN EVAPORATION RESERVOIR EVAPORATION ABLATION AIR-EARTH INTERFACES AIR TEMPERATURE AIR-WATER INTERFACES BOILING BOUNDARY PROCESSES CLIMATOLOGY CONCRETE DRYING CONSUMPTIVE USE DEHYDRATION DESALTING DESICCATION DEWATERING DIFFUSION DIVERSION LOSSES DRYING ENERGY BALANCE
--ENERGY BUDGET -- ENVIRONMENTAL EFFECTS --EVAPORITES EVAPORATION COEFFICIENT
EVAPORATION CONTROL
EVAPORATION PANS
EVAPORATION RESERVOIRS EVAPOTRANSPIRATION HYDROLOGIC CYCLE HYDROLOGIC EQUATION HYDROLOGY -- HYDROMETEOROLOGICAL STATIONS HYDROMETEOROLOGICAL STATIRTICATION
LAGOONS (PONDS)
LIQUID-VAPOR INTERFACES
METEORIC WATER
METEOROLOGICAL DATA METEOROLOGY MICROENVIRONMENT -- RESERVOIRS -- SEPARATION SOLAR RADIATION SPRAYS SPRINKLER IRRIGATION SUBLIMATION
--SURFACE WATERS -- TEMPERATURE TRANSPIRATION VAPOR PRESSURE VOLATILITY WATER BALANCE
WATER LOSS
WATER PROPERTIES
--WATER SUPPLY PORECASTING EVAPORATION COEFFICIENT RT--EVAPORATION PAN EVAPORATION EVAPORATION CONTROL 1 2 3 RT--EVAPORATION --MULCHES

EVAPORATION CONTROL 1 2 3
RT--EVAPORATION
--MULCHES
RESERVOIR EVAPORATION
--RESERVOIRS
UNDERGROUND WATER STORAGE
WATER CONTROL
--WATER MANAGEMENT
--WATER RESOURCES MANAGEMENT

EVAPORATION PANS 1 RT--EVAPORATION PAN EVAPORATION

EXCAVATION (Con.)
RT BACKFILLS
--BLASTING
--BORING EVAPORATION RESERVOIRS BT IMPOUNDMENTS RESERVOIRS RT DESALTING PROCESSES
--EVAPORATION --BORROW AREAS BORROW PITS BRACINGS
CANAL CONSTRUCTION
--CONSTRUCTION
CRATERING
--DAM CONSTRUCTION
DETONATION
DEPONATION EVAPORATORS RT FEEDWATER TREATMENT EVAPORITES 1 2 3 NOTE: Natural deposits of mineral salts produced by evaporation of large DEWATERING --DITCHES volumes of water NT GYPSUM -- DRAINAGE DRIFTS (MINING) RT--EVAPORATION -- EARTH HANDLING EQUIPMENT -- SEDIMENTARY ROCKS EARTHWORK EXCAVATED SLOPES EXCAVATION DESIGN EVAPOTRANSPIRATION 1 2 7 NOTE: Loss of moisture from soil by evaporation and plant transpiration BT TRANSPIRATION -EXCAVATORS EXPLORATION EXPLORATION
EXPLORATORY FITS
EXPLORATORY TRENCHES
--EXPLOSIVE EXCAVATION
--FOUNDATION CONSTRUCTION TARNSPIRATION
AIR-EARTH INTERFACES
--CLIMATOLOGY
CONSUMPTIVE USE
DEGREE DAYS --FOUNDATIONS
GRAVEL PITS
GROUNDWATER CONTROL
(EXCAVATION) DESICCATION DRYING -EVAPORATION EVAPOTRANSPIROMETERS HARBORS LAGGING HOOK GAGES MATERIALS HANDLING
--MINES (EXCAVATIONS)
--MINING
MINING ENGINEERING LYSIMETERS
METEORIC WATER
--PLANTS (BOTANY)
--SOIL MOISTURE PIPELAYING PIT RUN MATERIALS TRANSPIRATION VEGETATIVE COVER --PITS RESERVOIR CONSTRUCTION WATER LOSS --WATER SUPPLY FORECASTING --RESERVOIRS
--ROAD CONSTRUCTION
ROCK DRILLING
ROCK MECHANICS EVAPOTRANSPIROMETERS MEASURING INSTRUMENTS CONSUMPTIVE USE SHAFTS (EXCAVATIONS) SHEETING EVAPOTRANSPIRATION HOOK GAGES SHORTNG SOIL CUTTING --SOIL MECHANICS EVOLUTION NOTE: Process of formation or development; the continuous genetic adaptation of organisms or species to --SPOIL STRIPPING TRENCHES
TUNNEL CONSTRUCTION --TUNNELS
--UNDERGROUND CONSTRUCTION environment
C ACCLIMATIZATION
--ADAPTATION UNDERGROUND OPENINGS --WATER TUNNELS -- TOLERANCES (PHYSIOLOGY) WELLPOINTS EXCAVATED SLOPES
UF CUT SLOPES
BT SLOPES --WELLS EXCAVATION DESIGN 3 4 RT--EXCAVATION RT--EXCAVATION -- SLOPE PROTECTION SLOPE STABILITY EXCAVATORS 1 2 4 5 UF EXCAVATING EQUIPMENT CONSTRUCTION EQUIPMENT EARTH HANDLING EQUIPMENT EXCAVATING EQUIPMENT 2 5 use EXCAVATORS BACKHOES CAISSON EXCAVATORS EXCAVATION 1 2 3 4 5 CLAMSHELLS DRAGLINES DIGGING BRACED EXCAVATION -- DREDGES PIPELINE DREDGES DREDGING --FXPLOSIVE EXCAVATION POWER SHOVELS HYDRAULIC EXCAVATION NUCLEAR EXCAVATION TRENCHING MACHINES WHEEL EXCAVATORS BULLDOZERS CUTTING BLADES OVEREXCAVATION QUARRYING RAPID EXCAVATION ROCK EXCAVATION EARTHWORK --EXCAVATION
SHOVELS (CONSTRUCTION
EQUIPMENT)

SLURRY EXCAVATION TRENCHING

-- UNDERWATER EXCAVATION

EXCAVATORS (Con.)
SOIL CUTTING
STRIPPING
TUNNELING MACHINES

EXCESS HYDROSTATIC PRESSURE 1 2
use PORE WATER PRESSURE

EXCRETION 7
NOTE: Elimination of substances
from the bodies of organisms
RT ANIMAL WASTES
--METABOLISM

EXPOLIATION (WEATHERING) 2

USE SPALLING

EXHAUST BLAST 2 3 5

UF AIRCRAFT EXHAUST BLAST

JET BLAST

JET EXHAUST BLAST

RT BLAST LOADS

BLAST LOADS

BLAST RESISTANT SURFACES

DOWNWASH

EXHAUST BLAST EFFECTS

GROUND WASH

JET BLAST RESISTANT

MATERIALS

LAUNCHING PADS

OVERRUN BLAST AREAS

ROCKET EXHAUST

EXHAUST BLAST EFFECTS 2 3 5

UP BLAST EFFECTS ON PAVEMENTS
(EXHAUST)
JET BLAST EFFECTS ON
PAVEMENTS
BT BLAST EFFECTS
RT BLAST LOADS
BLAST RESISTANT SURFACES
EXHAUST RLAST
JET BLAST RESISTANT
MATERIALS
RUNNAY DAMAGE

EXHAUST GASES 7
BT GASES
NT FLUE GASES
RT AIR POLLUTION
AIRBORNE WASTES
CHEMICAL WASTES
COMBUSTION PRODUCTS
CONTAMINANTS
EFFLUENTS
--EMISSIONS
FUMES
HYDROGEN SULFIDE
--INDUSTRIAL WASTES
ODORS
SMOG
SMOKE
VAPORS
--WASTES
DISPOSAL
--WASTES

EXIT CHANNELS 1
NOTE: Channels leading water
away from hydraulic structures
BT CHANNELS
RT OPEN CHANNEL FLOW
--OUTLET WORKS
--SPILLWAYS
STILLING BASINS

EXITING PERPORMANCE 5
use DEPARTURE GEOMETRY
LAND-WATER INTERPACE
STREAM CROSSINGS

EXPANDED CLAY AGGREGATES 3
BT AGGREGATES
LIGHTWEIGHT AGGREGATES
RT--CLAYS

EXPANDED PLASTICS 2 3 use CELLULAR PLASTICS

EXPANDED SHALE AGGREGATES
BT AGGREGATES
LIGHTWEIGHT AGGREGATES
RT--SHALES

EXPANDED SLAG AGGREGATES 3
BT AGGREGATES
LIGHTWEIGHT AGGREGATES
SLAG AGGREGATES
RT--SLAGS

EXPANDED SLATE AGGREGATES 3
BT AGGREGATES
LIGHTWEIGHT AGGREGATES
RT SLATES

EXPANDING 1 3 4 use EXPANSION

EXPANDING AGENTS 3
RT--ADMIXTURES
ALUMINUM POWDER
--CONCRETE ADMIXTURES
--EXPANSIVE CEMENTS
--FOAMING AGENTS

EXPANDING CEMENTS 2 3 use EXPANSIVE CEMENTS

EXPANSION 1 3 4

UF EXPANDING

NT CONCRETE EXPANSION

THERMAL EXPANSION

RT--CONTRACTION

DISTORTION (STRUCTURAL)

EXPANSIONS (HYDRAULICS)

VOLUME CHANGE

EXPANSION CURVE 2
use PRESSURE VOID RATIO CURVES

EXPANSION JOINTS 2 3 4 5 use CONTROL JOINTS

EXPANSION TESTS 3
BT CONCRETE TESTS
RT CONCRETE EXPANSION

EXPANSIONS (HYDRAULICS) 1
NOTE: Includes expansions in conduits, channels, pipes, etc.
BT TRANSITIONS (HYDRAULICS)
RT EXPANSION
HEAD LOSSES

EXPANSIVE CEMENT CONCRETES 3
BT CONCRETES
NT SELF STRESSING CONCRETES
SHRINKAGE COMPENSATING
CONCRETES
RT CONCRETE EXPANSION
--EXPANSIVE CEMENTS
VOLUME CHANGE

EXPANSIVE CEMENTS 2 3
UF EXPANDING CEMENTS
BT CEMENTS
HYDRAULIC CEMENTS
PORTLAND CEMENTS
NT SELF STRESSING CEMENTS
SHRINKAGE COMPENSATING

CEMENTS
ALUMINATE CEMENTS
CALCIUM SULPOALUMINATES
EXPANDING AGENTS
--EXPANSIVE CEMENT CONCRETES
PRESTRESSED CONCRETE
VOLUME CHANGE

EXPANSIVE CLAYS 2 3 BT CLAYS EXPANSIVE CLAYS (Con.)

COHESIVE SOILS

EXPANSIVE SOILS

FINE GRAINED SOILS

NT BENTONITE

RT SOIL SWELLING

EXPANSIVE FORCES (SOILS) 2
use SWELLING PRESSURE

EXPANSIVE SOILS 2 3 5

NT BENTONITE

--EXPANSIVE CLAYS

RT BLACK COTTON SOILS

DILATANCY (SOILS)

LINEAR EXPANSION

MONTMORILLONITE

REBOUND OF EXCAVATION

SOIL SWELLING

SWELLING INDEX

SWELLING PRESSURE

VOLUME CHANGE

EXPEDIENT CONSTRUCTION 1 2 4 5
BT CONSTRUCTION
RT BARE BASE SUPPORT
BRIQUETS
EXPEDIENT DRAINAGE STRUCTURES
EXPEDIENT SURPACINGS
EXPLOSIVE CONSTRUCTION
HELICOPTER LANDING ZONES
LANDING MAT RECOVERY
AND REUSE
--LANDING MATS
MEMBRANE ENVELOPED SOIL
LAYER
MEMBRANE RECOVERY AND REUSE
MEMBRANES (AIRFIELDS)
MEMBRANES (ROADS)
--MILITARY BRIDGES
MILITARY BRIDGES
MILITARY BRIDGES
MILITARY POADS
RAPID EXCAVATION
RAPID EXCAVATION
RAPID ROAD CONSTRUCTION
UNSURFACED AIRFIELDS
UNSURPACED ROADS
UNSURPACED ROADS

EXPEDIENT DRAINAGE STRUCTURES 1 2 5
BT DRAINAGE STRUCTURES
RT EXPEDIENT CONSTRUCTION
LANDING MAT DRAINAGE
MEMBRANE DRAINAGE

EXPEDIENT SURFACINGS 2 3 5
RT AIRPIELD CONSTRUCTION
CELLULAR PLASTICS
EXPEDIENT CONSTRUCTION
--LANDING MATS
MEMBRANES (AIRPIELDS)
MEMBRANES (BFACHES)
MEMBRANES (ROADS)
MILITARY ROADS
PREFABRICATED SURFACINGS
RAPID ROAD CONSTRUCTION
ROAD SURFACES

EXPENSES 6 use COSTS

EXPERIMENTAL DATA 6
RT DATA REDUCTION
--TABLES (DATA)

EXPLODING WIRES 4
RT CAPS (EXPLOSIVES)
DETONATORS
EXPLOSIVE TRAINS
PRIMERS (EXPLOSIVES)
--SHOCK WAVES
WIRE

EXPLORATION 1 2 4

NT ACCESSIBLE EXPLORATION
DETAILED EXPLORATION
--GEOPHYSICAL EXPLORATION
--SUBSURFACE EXPLORATION
RT--DRILLING
--EXCAVATION
--MINES (EXCAVATIONS)
--MINING
MINING ENGINEERING
SHAFTS (EXCAVATIONS)
--SURVEYING
TERRAIN ANALYSIS

EXPLORATION (FIELD) 2
use SUBSURFACE EXPLORATION

EXPLORATION SAMPLERS 1 2
BT SAMPLERS
SOIL SAMPLERS
SOIL SAMPLERS
NT--AUGERS
BARREL AUGERS
BUCKET AUGERS
CONTINUOUS PLIGHT AUGERS
CUP SAMPLERS
HAND AUGERS
HELICAL AUGERS
-POWER AUGERS
SLIT TUBE SAMPLERS
RT DISTURBED SAMPLING
RECONNAISSANCE SURVEYS
REMOLDED SCIL SAMPLES
SEDIMENT SAMPLERS

EXPLORATORY PITS 2
UF TEST PITS
BT PITS
RT ACCESSIBLE BORING
ACCESSIBLE EXPLORATION
ADITS
BOREHOLES
--EXCAVATION
EXPLORATORY TRENCHES
EXPLORATORY WELLS
FOUNDATION INVESTIGATIONS
--SUBSURFACE EXPLORATION
SURFACE AND CONTROL SAMPLING
SURFACE SAMPLERS (BOCK)
SURFACE SAMPLERS (SOILS)
TEST HOLES
UNDISTURBED SAMPLING

EXPLORATORY TRENCHES 2

UP TEST TRENCHES
BT TRENCHES
BT TRENCHES
RT ACCESSIBLE BORING
ACCESSIBLE EXPLORATION
ADITS
--EXCAVATION
EXPLORATORY PITS
EXPLORATORY WELLS
FOUNDATION INVESTIGATIONS
--SUBSURFACE EXPLORATION
SUBFACE AND CONTROL SAMPLING
SURFACE SAMPLERS (ROCK)
SURFACE SAMPLERS (SOILS)
TEST HOLES
UNDISTURBED SAMPLING

EXPLORATORY WELLS 1 2
BT WELLS
RT ACCESSIBLE BORING
ACCESSIBLE EXPLORATION
CASINGS (DRILLING)
EXPLORATORY PITS
EXPLORATORY TRENCHES
FOUNDATION INVESTIGATIONS
OBSERVATION WELLS
--SUBSURFACE EXPLORATION
TEST HOLES
UNDISTURBED SAMPLING

EXPLOSION COMPACTION 2 4
UF COMPACTION BY EXPLOSIVES
DENSIFICATION BY BLASTING
BT COMPACTION (SOLLS)

EXPLOSION COMPACTION (Con.)

DENSIFICATION (SOILS)

RT--EXPLOSION EFFECTS

--EXPLOSIONS EXPLOSION DAMAGE 3 4 use EXPLOSION EFFECTS EXPLOSION EFFECTS 2 3 4 5 UF EXPLOSION DAMAGE NT--BLAST EFFECTS FIREBALLS --NUCLEAR EXPLOSION EFFECTS NUCLEAR WEAPONS EFFECTS OVERPRESSURE BLAST LOADS CRATER EJECTA -- CRATERING -- CRATERS -- DAMAGE DYNAMIC PRESSURE
DYNAMIC RESPONSE
EXPLOSION COMPACTION -- EXPLOSIONS -- FRAGMENTATION FREE FIELD MOTION -GROUND MOTION GROUND ROLL GROUND SHOCK GROUND SHOCK
HELICOPTER LANDING ZONES
HIGH EXPLOSIVE CRATERS
IMPULSIVELY GENERATED
WAVES
MILITARY ENGINEERING
-MILITARY OPERATIONS
MUNITION EFFECTIVENESS
PRESPLITTING (BLASTING)
PROJECTILES PROJECTILES
PROTECTIVE CONSTRUCTION
--SEISMIC WAVES --SHOCK WAVES SOIL DYNAMICS VEGETATION CLEARING PLOSION GENERATED WAVES 1 2 USE IMPULSIVELY GENERATED WAVES EXPLOSION GENERATED WAVES UP CHEMICAL EXPLOSIONS
NT AERIAL EXPLOSIONS
--CONTAINED EXPLOSIONS
CONTAINED NUCLEAR EXPLOSIONS
GAS EXPLOSIONS EXPLOSIONS HE EXPLOSIONS
HIGH ALTITUDE EXPLOSIONS
--NUCLEAR EXPLOSIONS
SURFACE EXPLOSIONS --UNDERGROUND EXPLOSIONS UNDERGROUND NUCLEAR EXPLOSIONS --UNDERWATER EXPLOSIONS ACCIDENTS --BLASTING COMBUSTION DECOUPLING DEMOLITION DETONATION EXPLOSION COMPACTION -EXPLOSION EFFECTS -- EXPLOSIVE EXCAVATION -- EXPLOSIVES FIRES FLAME PROPAGATION GAS STIMULATION -HAZARDS HEIGHT-OF-BURST

SAFETY

EXPLOSIVE CHARGES

SAFETY ENGINEERING SHOCK TESTS --SHOCK WAVES

WARNING SYSTEMS

UF CHARGES (EXPLOSIVES) NT BURSTING CHARGES EXPLOSIVE CHARGES (Con.)
DEMOLITION CHARGES
DEPTH CHARGES
SHAPED CHARGES RT DEMOLITION DETONATING CORD -EXPLOSIVES
FUZES (ORDNANCE)
HIGH EXPLOSIVE AMMUNITION
HOLE SPRINGING -INCENDIARY AMMUNITION MUNITION BURSTS --MUNITIONS
MUNITIONS INDUSTRY
--MUNITIONS STORAGE --ORDNANCE EXPLOSIVE CONSTRUCTION NOTE: Construction by use of explosives BT CONSTRUCTION
RT EXPEDIENT CONSTRUCTION
--EXPLOSIVE EXCAVATION
--EXPLOSIVES -- UNDERGROUND CONSTRUCTION EXPLOSIVE DETECTION 4
NOTE: Detection of explosives
BT DETECTION
RT--EXPLOSIVES EXPLOSIVE DRILLING BT DRILLING RT--EXPLOSIVES EXPLOSIVE EMPLACEMENT RT--EXPLOSIVES EXPLOSIVE ENGINEERING EXPLOSIVE EXCAVATION 1
BT EXCAVATION
NT-NUCLEAR EXCAVATION
FT CANAL CONSTRUCTION
--CANALS CHANNEL CONSTRUCTION -- CHANNELS -- CONSTRUCTION CRATER EJECTA DETONATION --EXPLOSIONS
EXPLOSIVE CONSTRUCTION
--EXPLOSIVES
HARBOR ENGINEERING HARBORS HIGH EXPLOSIVE CRATERS INLET FORMATION
--MINES (EXCAVATIONS) OVEREXCAVATIONS
OVEREXCAVATION
PRESPLITTING (BLASTING)
RAPID EXCAVATION
SOIL DISPLACEMENT METHODS TRENCHES EXPLOSIVE IMPULSIVE WELDING BT WELDING EXPLOSIVE ORDNANCE DISPOSAL DEMOLITION CHARGES ORDNANCE UNDERWATER DEMOLITION EXPLOSIVE STORAGE RT--EXPLOSIVES SAFETY

SAFETY ENGINEERING

EXPLOSIVE TRAINS 4
RT CAPS (EXPLOSIVES)
DETONATORS

EXPLOSIVE TRAINS (Con.)
EXPLODING WIRES
PRIMERS (EXPLOSIVES) EXPLOSIVES 2 3 4

UF HIGH EXPLOSIVES
POWDER (ORDNANCE)

NT BLACK POWDER DYNAMITE NITROMETHANE PENTOLITE PETN PLASTIC EXPLOSIVES RDX SLURRY EXPLOSIVES SOLID EXPLOSIVES AMMONIUM NITRATE AMMUNITION ARRAY CHARGES BLASTING AGENTS -BOMBS BURNING RATE CARTRIDGES (EXPLOSIVES) DEMOLITION DETONATION -DRILLING -- EXPLOSIONS --EXPLOSIONS
--EXPLOSIVE CHARGES
EXPLOSIVE CONSTRUCTION
EXPLOSIVE DETECTION
EXPLOSIVE EMPLACEMENT
EXPLOSIVE EMPLACEMENT
EXPLOSIVE ENGINEERING
--EXPLOSIVE EXCAVATION
EXPLOSIVE STORAGE FIRES --GUNS (ORDNANCE) HAZARDOUS MATERIALS
HIGH EXPLOSIVE AMMUNITION
-MINES (ORDNANCE)
MUNITION BURSTS -MUNITIONS MUNITIONS INDUSTRY MUNITIONS STORAGE --NITRATES NITROGLYCERIN
--NUCLEAR WEAPONS
--PROPELLANTS
PYROTECHNICS QUARRYING ROCK EXCAVATION ROW CHARGE CRATERING ROW CHARGES SAFETY ENGINEERING SHAPED CHARGES TETRYL TORPEDOES TUNNEL CONSTRUCTION -- WARHEADS EXPOSED AGGREGATE CONCRETE BT CONCRETES NT SAND EMBEDMENT METHOD COARSE AGGREGATES CONCRETE FINISHES (HARDENED CONCRETE) EXPOSITIONS 5 6 EX POSURE NT CONCRETE EXPOSURE **EXPRESSWAYS** UF LIMITED ACCESS HIGHWAYS BT HIGHWAYS ROADS FREEWAYS TOLL ROADS

EXTENSIBILITY

TENSIBILITY 3 6
NT CONCRETE EXTENSIBILITY
RT--CREEP PROPERTIES

大大

EXTENSIBILITY (Con.) --DEFLECTION
--DEFORMATION
--STRAINS EXTENSOMETERS NOTE: Instruments for measuring minute deformations of small objects subjected to tension, compression, bending, etc. r GAGES MEASURING INSTRUMENTS STRAIN MEASURING INSTRUMENTS CATHETOMETERS CATHETOMETERS
DIAL GAGES
POTENTIOMETERS
STRAIN GAGES
CONCRETE DILATION
--DEFORMATION
DIAL GAGES
DILATOMETERS
FOTENTIOMETERS
--STRAIN GAGES
STRAIN MEASUREMENT
TENSIOMETERS TENSIOMETERS THERMAL EXPANSION
--TRANSDUCERS EXTERNAL FORCES 1 RT DAM STABILITY DEAD LOADS HORIZONTAL LOADS ICE LOADS -- PRESSURE STRUCTURAL DESIGN EXTERNAL PRICTION 2 3 4

UF ANGLE OF EXTERNAL PRICTION

BT FRICTION

RT FRICTION COEPPICIENT

INTERNAL PRICTION

WALL PRICTION (SOILS) EXTERNAL STRESSES 3 4 BT STRESSES EXTRA SENSITIVE CLAYS 2
use QUICK CLAYS EXTRACTION NOTE: Frocess of dissolving
and separating out specific
constituents of a sample by
treatment with solvents
specific for those constituents
BT SEPARATION RT--ADSORPTION DEWATERING --DIFFUSION ELUTRIATION FILTRATION --OSMOSIS PERCOLATION SALVAGE SORPTION EXTRATERRESTRIAL PHENOMENA
RT LUNAR CRATERS
LUNAR ENVIRONMENT
LUNAR GEOLOGY EXTRATERRESTRIAL RADIATION 6
use SPACE RADIATION EXTRATERRESTRIAL VEHICLES NOTE: Pertains to vehicles exploring surfaces of other planets
BT SPACE VEHICLES
NT LUNAR ROVING VEHICLES

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EXTRUDERS (SOILS) 2
RT--SAMPLERS
--SAMPLING
SEDIMENT SAMPLERS
--SOIL SAMPLERS
SOIL TEST SPECIMENS

EXTRUSIONS (LANDING MATS) 5
RT--LANDING MATS

EXTRUSIVE ROCKS 2
UF ERUPTIVE ROCKS
VOLCANIC IGNEOUS ROCKS
BT IGNEOUS ROCKS
NT ANDESITE
BASALT
DOLERITE
LAVA
OBSIDIAN
PERLITE
PUMICE
RHYOLITE
TRACHYTE
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RS (Con.)
SURFACE COMPOSITION FACTORS
SURFACE GEOMETRY FACTORS
TERRAIN FACTORS FACTORS FABRICS 2 3 5 UF CLOTH NT GLASS FABRICS INDUSTRIAL FABRICS VEGETATION FACTORS RT-- FIBERS -- MEMBRANES PACTORY AND TRADE WASTE USE INDUSTRIAL WASTES -- TEXTILES FABRICS (WELDED WIRE) 3 FAILURE CRITERIA 2 3 4 use STRENGTH THEORIES PACE FAILURES FAILURE (MECHANICS) 1 2 3 4 5 6
UP MECHANICAL PAILURE
STRUCTURAL PAILURE
NT BRITTLE FAILURE
FATIGUE FAILURE
PROGRESSIVE FAILURE USE SLOPE PAILURES FACE GATES 1 NOTE: Gate on the face of a dam BT HYDRAULIC GATES NOTE: All the characteristics
which go to distinguish a deposit
RT FACIES MAPS
-- GEOLOGICAL DEPOSITS SHEAR FAILURE FACIES RT BUCKLING COLLAPSE -- CRACKING (FRACTURING) -- CREEP FACIES MAPS -- DEFORMATION NOTE: Maps showing the distribu-tion of different types of sedi-mentary facies occurring within a designated geologic unit -- DETERIORATION -- FAILURES -- MECHANICAL PROPERTIES -- STRENGTH THEORIES TENSION CRACKS BT MAPS RT FACIES -- GEOLOGIC MAPS PACILITIES 1 4 5 NOTE: Use of a more specific term is recommended; consult the terms listed below FAILURE PLANE USE CRITICAL SURFACE FAILURE THEORIES 2 3 4
use STRENGTH THEORIES AIRFIELDS AIRPORTS APRONS (AERONAUTICS) BARE BASE SUPPORT PATILIRES URES 1 2 3 BASE FAILURES HANGARS HARBOR FACILITIES BRIDGE FAILURES CONCRETE FAILURE
CONCRETE STRUCTURES FAILURE HELIPORTS LABORATORIES DAM BREACHES -- DAM FAILURES LABDRATURIES
LANDING PIELDS
MILITARY BASES
MILITARY FACILITIES
MISSILE FACILITIES
NATIONAL PARKS
PARKING AREAS FLEXIBLE PAVEMENT FAILURES (AIRFIELDS) FLEXIBLE PAVEMENT PAILURES (HIGHWAYS) POUNDATION PAILURES
LANDING MAT FAILURES
MEMBRANE FAILURES
-- PAVEMENT FAILURES PARKS PUBLIC UTILITIES RECREATIONAL FACILITIES PIPE FAILURES ROCK FAILURE ROADS STATIONS SLOPE FAILURES SUBGRADE FAILURES TEST FACILITIES FACINGS TOE FAILURE RT ARCHITECTURAL CONCRETE
--BUILDINGS TUNNEL FAILURES BUCKLING (PILES) COLLAPSIBLE SOILS -- COATINGS DETERIORATION
-- FAILURE (MECHANICS)
LIQUEFACTION (SOILS) -- DAMS -- MASONRY FACTOR CLASS 5
use ENVIRONMENTAL FACTORS
TERRAIN FACTORS FALL VELOCITY 1
use SETTLING VELOCITY FALLBACK (CRATERS) 2 FACTOR FAMILY 5
USS ENVIRONMENTAL FACTORS
TERRAIN FACTORS FALLING HEAD PERMEAMETERS BT PERMEAMETERS
RT FALLING HEAD TESTS
-- FINE GRAINED SOILS FACTOR TABLES 6 FACTOR VALUE 5
use ENVIRONMENTAL FACTORS PALLING HEAD TESTS 2 BT LABORATORY PERMEABILITY TESTS TERRAIN FACTORS PACTORS 5
NOTE: Use of a more specific term is recommended; consult the terms listed below TESTS
PERMEABILITY TESTS
SOIL TESTS (LABORATORY)
RT CONSTANT HEAD TESTS
PALLING HEAD PERMEAMETERS ENVIRONMENTAL FACTORS
HYDROLOGIC GEOMETRY FACTORS FALLOUT (RADIOACTIVE) 2 3 4 7
use RADIOACTIVE FALLOUT METEOROLOGICAL FACTORS

PALLOUT SHELTERS 2 3 4
BT PROTECTIVE STRUCTURES
SHELTERS PASTENERS ASTENERS 3 4 0 UF FASTENINGS NT ANCHOR BOLTS AIR DEFENSE AIR RAID SHELTERS CIVIL DEFENSE ANCHORS (FASTENERS)
-- BOLTS DOWELS
HIGH STRENGTH BOLTS
NAILS (FASTENERS)
POWDER ACTUATED FASTENERS
STRUCTURAL BOLTS
ADHESIVES
ADHESIVES CIVIL DEFENSE

- MATIONAL DEFENSE
- NUCLEAR EXPLOSIONS
- NUCLEAR RADIATION
NUCLEAR WARFARE DEFENSE
NUCLEAR WEAPONS EFFECTS
RADIATION PROTECTION
RADIOACTIVE CONTAMINATION
RADIOACTIVE PALLOUT
RADIOLOCITUA PALLOUT
RADIOLOCITUA DEFENSE
SHELTER CONSTRUCTION
SHELTER DESIGN
SHELTER DESIGN
SHELTER ENTRANCES
SHELTER CCUPANCY
SHELTER TESTS -- CLOSURES -- CONNECTIONS -- JOINTS (JUNCTIONS) LINKAGES LUGS STRAPPING -- STRUCTURAL MEMBERS STUDS WIRE WIRE ROPE FALSE BEDDING 2 use CROSS BEDDING FASTENINGS use FASTENERS PALSE SET (CEMENT) 3
BT CEMENT PROPERTIES
RT CEMENT SETTING
FLASH SET (CEMENT)
PORTLAND CEMENT PHYSICAL PATHOMETERS THOMETERS 1 2 NOTE: Trade name for depth finding device use DEPTH FINDERS PROPERTIES PATIGUE PAILURE ATIGUE FAILURE 3 4
BT FAILURE (MECHANICS)
RT FATIGUE (MATERIALS) FALSEWORK 3 RT--FORMWORK (CONSTRUCTION) SHORING FATIGUE (MATERIALS) 1 2 3 4 5 6
BT MECHANICAL PROPERTIES
RT BAUSCHINGER EFFECT
COMPRESSIVE PROPERTIES
CONCRETE CRACKING RT AIR CIRCULATION BLOWERS COOLING SYSTEMS
-- ROTARY PUMPS
VENTILATION CRACK PROPAGATION
-CRACKING (FRACTURING) -- CREEP -- CREEP PROPERTIES FARM BUILDINGS 3 BT BUILDINGS NT BARNS -- DAMAGE DISLOCATION THEORY DUSTILITY
- DURABILITY
- DURABILITY
FATIGUE FAILURE
FATIGUE TESTS
FRACTURE OF SOLIDS
FRACTURE PROPERTIES DAIRY BUILDINGS SILOS SLOTTED FLOORS FARM PONDS 1 7 BT IMPOUNDMENTS -- HARDNESS
IMPACT STRENGTH
PLASTICITY
-- PRESTRESSING LAKES PONDS RESERVOIRS - RESERVOIRS
AGRICULTURAL WATERSHEDS
AQUICULTURE
FISH MANAGEMENT
FRESH WATER
IRRIGATION
LAND USE REPETITIVE LOADS
-- SHEAR PROPERTIES
-- SHEAR TESTS
-- STRAINS STRESS ANALYSIS
STRESS DISTRIBUTION
STRESS RELAXATION
STRESS-STRAIN RELATIONS LAND USE - SUR FACE WATERS -- WATER -- WATER STORAGE --STRESS-STRAIN RELATIONS
-STRESS-STRAIN RELATIONS
-STRESSES
SURFACE DEFECTS (CONCRETE)
TEMPERATURE EFFECTS
-TENSION CRACKS
TENSION CRACKS
THENSION TESTS
THERMAL FATIGUE
THERMAL STRESSES WATERSHED MANAGEMENT PARM VEHICLES 5
use AGRICULTURAL VEHICLES ARMS 7
NOTE: Tracts devoted to agricultural purposes, also tracts
of water reserved for artificial
cultivation of some aquatic food
RT AGRICULTURAL WATERSHEDS
AGRICULTURE -- VIBRATION EFFECTS VIBRATION EFFECTS (VEHICLES) VIBRATIONS VIBRATORY LOADS -- WEAR -- WEAR RESISTANCE AQUICULTURE LAND MANAGEMENT LAND USE RURAL AREAS FATIGUE TESTS 1 3 4 5 RT BEND TESTS COMPRESSION TESTS CONCRETE CREEP TESTS CONCRETE FATIGUE FASC INES BT REVETMENT RT BANK PROTECTION -- CREEP TESTS

IQUE TESTS (Con.)
DUCTILITY
DURABILITY TESTS
--DYNAMIC LOADS
ENDURANCE TESTS (VEHICLES) FEEDER BEACHES 1
NOTE: Artificially widened beaches PATIGUE TESTS serving to nourish downdrift
beaches by natural littoral
currents or forces
BT BEACHES
RT BEACH EROSION
BEACH NOURISHMENT FATIGUE (MATERIALS)
- FIELD TESTS -- FIELD TESTS
-- FLEXURAL STRENGTH
-- IMPACT TESTS
LOW TEMPERATURE TESTS
RADIATION TESTS
-- SHEAR TESTS
-- STATIC TESTS
STRESS RELAXATION TESTS
TENSILE STRESS
-- TENSION TESTS
THERMAL STRESSES
-- VEHICLE TESTS
VIBRATION EFFECTS (VEHICLE) LITTORAL CURRENTS FEEDER CURRENTS 1
use LITTORAL CURRENTS FEEDERS 3
NOTE: For fluid and particulate
materials
BT MATERIALS HANDLING EQUIPMENT
RT--CONVEYORS VIBRATION EFFECTS (VEHICLES) FEEDWATER TREATMENT 1
BT WATER TREATMENT
RT DEMINERALIZATION
DISTILLATION -- WEAR TESTS FAUCETS 1 use VALVES EVAPORATORS WATER SOFTENING FAULTS AND FAULTING (GEOLOGY) BT GEOLOGIC STRUCTURES FELDSPARS RT-- DIASTROPHISM
DISCONTINUITIES (STRUCTURAL ELDSPARS 2 3 BT MINERALS SILICATE MINERALS GEOLOGY)
-- DISPLACEMENT RT CERAMIC MATERIALS
--CLAY MINERALS EARTHQUAKES ELASTIC REBOUND THEORY GRAYWACKE KAOLINITE (EARTHQUAKES)
FISSURES
- FOLDS AND FOLDING (GEOLOGY)
FRACTURES AND FRACTURING MICAS MYLONITE PEGMATITE (GEOLOGY)
GROUNDWATER BARRIERS FENCES 1 3 JOINTS AND JOINTING (GEOLOGY) FENDER PILES 1 2 SLICKENSIDES NOTE: For protection of water-front facilities, such as wharves, against impact from floating objects TECTONICS
THRUSTS AND THRUSTING
(GEOLOGY) BT PILES RT DOLPHINS FAUNA UNA 7 use ANIMALS FENDERS -- PIERS (DOCKS)
QUAY WALLS FEASIBILITY STUDIES 2 5 ASSIBILITY STUDIES 2 5 6
NOTE: Process of examination,
evaluation and study in determining the possibility of accomplishing specific goals or WHARVES FENDERS 1 2
NOTE: Devices placed along docks,
bridge piers, etc. to prevent
damage by docking ships or floating objects
RT BRIDGE PIERS tasks RT BENEFIT COST ANALYSIS -- COST ANALYSIS -- EVALUATION PROJECT PLANNING SITE SELECTION DOCKS FENDER PILES FECUNDITY 7
NOTE: Capacity for reproduction
in great numbers
RT-- POPULATIONS
-- PRODUCTIVITY FLOATING OBJECTS
-- PIERS (DOCKS)
-- WHARVES ENS 7
NOTE: Tract of low, marshy ground containing peat, relatively rich in mineral salts, alkaline in reaction, situated in the upper parts of old estuaries and around fresh-water lakes, vegetationally distinct from Moors
RT AQUATIC HABITATS
BOOS
--MARSHES
FEAT FEDERAL BUDGETS RT APPROPRIATIONS (FISCAL) PEED PUMPS 1 PUMPS CENTRIFUGAL PUMPS RECIPROCATING PUMPS WATER RECIRCULATION PEAT FEEDBACK RT AUTOMATION CYBERNETICS FERRITES NT CALCIUM FERRITES
RT IRON
--IRON INORGANIC COMPOUNDS FEEDBACK CONTROL FEEDBACK CONTROL 6
BT AUTOMATIC CONTROL
RT CYBERNETICS
FEEDBACK MAGNETIC PROPERTIES
-- STEELS FERROCEMENT 3 RT--REINFORCED CONCRETE PROCESS CONTROL

FERROPHOSPHORUS 3

FIBERS (Con.)
-- MINERAL WOOL
-- NATURAL FIBERS FERTILIZATION 7
RT--ENVIRONMENTAL EFFECTS
FERTILIZERS FISH MANAGEMENT FOREST MANAGEMENT NYLON FIBERS POLYESTER FIBERS ROCK WOOL SARAN (TRADEMARK) FIBERS
--SYNTHETIC FIBERS
I BITUMINOUS FIBER PIPES
--COMPOSITE MATERIALS -- PRODUCTIVITY FERTILIZERS HTILIZERS (NOTE: Any material, natural or manmade, that will make a specific soil more fruitful RT AGRICULTURAL WASTES FERTILIZATION -- NUTRIENTS MEMBRANE PABRICATION -- REINFORCING MATERIALS -- RESINS (SYNTHETIC) -- RUBBER -- TEXTILES -- ORGANIC MATTER
-- PHOSPHATES FIBROUS REINFORCED CONCRETE PLANT NUTRITION
WATER POLLUTION SOURCES use FIBER REINFORCED CONCRETE FETCH 1
RT DAM FACINGS
FREEBOARD
LEVEL FIBROUS REINFORCED PAVEMENTS 5
use FIBER REINFORCED PAVEMENTS WATER LEVELS
WATER WAVE HEIGHT
--WATER WAVES
--WIND (METEOROLOGY) FICKIAN DIFFUSION BT DIFFUSION FIELD CLASSIFICATION (SOILS) 2 5 use SOIL CLASSIFICATION FIBER COMPOSITES FIELD CONTROL USE FIBER REINFORCED PLASTICS RT--CONSTRUCTION CONSTRUCTION CONTROL FIBER GLASS 2 3 RT GLASS FIBERS -- CONTROL EQUIPMENT FIELD LABORATORIES -- FIELD TESTS -- INSPECTION PIBER REINFORCED CONCRETE 3 5
UF FIBROUS REINFORCED CONCRETE
BT COMPOSITE MATERIALS -- QUALITY CONTROL
-- SPECIFICATIONS CONCRETES REINFORCED CONCRETE -- SURVEYING BAMBOO PIELD CONTROL TESTS (SOILS) 2 5 BT FIELD TESTS RT DRIVE CYLINDER METHOD -- FIELD UNIT WEIGHT DETERMINA-FIBER REINFORCED PAVEMENTS FIBER REINFORCED PAVEMENTS FIBROUS REINFORCED PAVEMENTS TION FIBER REINFORCED CONCRETE
HEAVY LOAD PAVEMENTS
-- OVERLAYS (PAVEMENTS) -- FIELD WATER CONTENT DETERMINA-NUCLEAR METHODS PISTON SAMPLER METHOD
RUBBER BALLOON METHOD
SAND CONE METHOD
CALIFORNIA BEARING RATIO FIBER REINFORCED PLASTIC COMPOSITES 2
USE FIBER REINFORCED PLASTICS FIBER REINFORCED PLASTICS TESTS COMPACTION CONTROL (SOILS)
COMPACTION TEST FILLS
--COMPACTION TESTS
--CONSTRUCTION CONTROL NOTE: Composite materials made of a thermosetting resin and fibers of glass, metal, etc. UF PIBER COMPOSITES FIBER REINFORCED PLASTIC -- CONSTRUCTION CONTROL
DEGREE OF COMPACTION
-- EARTH DAM CONSTRUCTION
-- EMBANKMENT CONSTRUCTION
FIELD LABORATORIES
MAXIMUM DRY DENSITY
MOISTURE CONTROL COMPOSITES
FIBER RESIN COMPOSITES
COMPOSITE MATERIALS
REINFORCED PLASTICS BORON FIBERS COMPOSITE MATERIALS (MEM--- QUALITY CONTROL RELATIVE DENSITY BRAME CONSTRUCTION)
EPOXY RESINS
GLASS FIBERS
GRAPHITE FIBERS
-- LAMINATED PLASTICS
MEMBRANE PABRICATION -- SPECIFICATIONS
SURFACE AND CONTROL SAMPLING
SURFACE SAMPLERS (SOILS) FIELD DATA 1 6 RT FIELD LABORATORIES PREFABRICATED MEMBRANES
-- SYNTHETIC FIBERS FIELD TESTS FIELD DENSITY DETERMINATION 2
use FIELD UNIT WEIGHT DETERMINATION FIBER RESIN COMPOSITES USE FIBER REINFORCED PLASTICS FIELD EXPLORATION FIBERS RS 2 3 5 ASBESTOS use SUBSURFACE EXPLORATION BAGASSE BORON FIBERS GLASS FIBERS GRAPHITE FIBERS FIELD FORTIFICATIONS 3
BT MILITARY FACILITIES PORTIFICATIONS NOTE: Study of rocks and miner-als in their natural environment BT GEOLOGY METAL PIBERS FIELD GEOLOGY

FIELD GEOLOGY (Con.)

RT-- FIELD TESTS
GEOLOGIC FORMATIONS
GEOLOGIC MAPPING
-- GEOLOGICAL INVESTIGATIONS
HISTORICAL GEOLOGY ELD INVESTIGATIONS 1 2 5
NOTE: Use of a more specific term
is recommended; consult the terms FIELD INVESTIGATIONS 11sted below AERIAL SURVEYS ENVIRONMENTAL ANALYSIS ENVIRONMENTAL ANALYSIS
FIELD LABORATORIES
FIELD TESTS
FOUNDATION INVESTIGATIONS
GEODETIC SURVEYS
GEOLOGICAL INVESTIGATIONS
HYDROGRAPHIC SURVEYS INSPECTION RECONNAISSANCE RECONNAISSANCE SURVEYS SEISMIC INVESTIGATIONS SOIL INVESTIGATIONS SUBSURFACE EXPLORATION TERRAIN ANALYSIS
TOPOGRAPHIC SURVEYS FIELD LABORATORIES UF MOBILE LABORATORIES BT LABORATORIES T-CONSTRUCTION CONTROL
FIELD CONTROL
--FIELD CONTROL TESTS (SOILS)
FIELD DATA FIELD MANUALS -- INSPECTION QUALITY CONTROL TEST FACILITIES FIELD MANUALS 5 BT DOCUMENTS MANUALS RT FIELD LABORATORIES -- FIELD TESTS FIELD MAXIMUM WATER CONTENT (SOILS) 2 5 (SOILS) 2 5 use SOIL MOISTURE FIELD MINIMUM WATER CONTENT (SOILS) 2 5 use SOIL MOISTURE PIELD PERMEABILITY TESTS 1 2
UF IN SITU PERMEABILITY TESTS
BT FIELD TESTS PERMEABILITY TESTS OPEN END TESTS
PRESSURE TESTS (DRILL HOLES)
PUMPING TESTS (WELLS) COEFFICIENT OF PERMEABILITY -- DRAWDOWN -- GROUNDWATER FLOW OBSERVATION WELLS PONDING TESTS SAND DRAIN DESIGN THIEM TESTS FIELD PLATE BEARING TESTS 2
UF IN SITU PLATE BEARING TESTS
BT FIELD TESTS LOAD TESTS (FOUNDATIONS)
PLATE BEARING TESTS
LABORATORY PLATE BEARING TESTS -- ROCK STRENGTH -- SOIL STRENGTH FIELD PUMPING TESTS 1 2 use PUMPING TESTS (WELLS) FIELD SOIL PENETRATION TESTS BT FIELD TESTS

SOIL PENETRATION TESTS

FIELD SOIL PENETRATION TESTS (Con.) NT DRIVEN PROBE TESTS
DYNAMIC CONE PENETRATION
TESTS (FIELD)
-- DYNAMIC PENETRATION TESTS (FIELD) STANDARD PENETRATION TESTS -- STATIC CONE PENETRATION TESTS (FIELD) STATIC PENETRATION TESTS (FIELD) FOUNDATION INVESTIGATIONS RECONNAISSANCE SURVEYS -- SITE SELECTION
-- SUBSURFACE EXPLORATION FIELD TESTS 1 2 3 4 UF IN SITU TESTS OFF-ROAD TESTS ON SITE TESTS
ROCK TESTS (FIELD)
SOIL TESTS (FIELD)
BOLT TESTS BOLT TESTS
BOREHOLE EXPANSION TESTS
DILATANCY TESTS (SOILS)
DRIVE CYLINDER METHOD
DRIVEN PROBE TESTS
DRY STRENGTH TESTS (SOILS)
DYNAMIC CONE PENETRATION
TESTS (FIELD)
-DYNAMIC PENETRATION TESTS
(FIELD) -- FIRED FENETIATION TESTS

(FIELD)

ELECTRICAL RESISTANCE METHODS

ENDURANCE TESTS (VEHICLES)

-- FIELD CONTROL TESTS (SOILS)

-- FIELD PERMEABILITY TESTS

FIELD PLATE BEARING TESTS FIELD SOIL PENETRATION TESTS
-- FIELD UNIT WEIGHT DETERMINA-TION FIELD VANE SHEAR TESTS
-- FIELD WATER CONTENT DETERMINA--- HAND TESTS -- HAND TESTS
-- JACKING TESTS
LARGE SCALE COMPRESSION TESTS
LARGE SCALE SHEAR TESTS
NUCLEAR METHODS
OPEN END TESTS
PILE LOAD TESTS (BATTER PILES)
PILE LOAD TESTS (COMPRESSION
PILES) PILES) PILE LOAD TESTS (CYCLIC LOAD-ING) ING)
PILE LOAD TESTS (LATERAL
LCADING)
PILE LOAD TESTS (UPLIFT PILES)
PISTON SAMPLER METHOD
PRESSURE CHAMBER TESTS
PRESSURE TESTS (DRILL HOLES)
PRESSURE TESTS (TUNNELS)
PRESSURE TESTS (WELLS)
RADIAL JACKING TESTS
ROAD TESTS (VEHICLES)
RUBBER BALLOON METHOD
SAND CONE METHOD
SAND CONE METHOD
STANDARD PENETRATION TESTS
STATIC CONE PENETRATION TESTS -- STATIC CONE PENETRATION TESTS
(FIELD) -- STATIC PENETRATION TESTS (FIELD) SURFACE TESTS (SOILS) SURFACE VIBRATOR TESTS THEIM TEST
TOUGHNESS TESTS (SOILS)
-- TRAFFIC TESTS
VIBRATORY PLATE BEARING TESTS
RT ACCEPTANCE TESTS
ACCESSIBLE EXPLORATION
BENKELMAN BEAM BEARING CAPACITY
CALIFORNIA BEARING RATIO TESTS -- CONE PENETRATION TESTS

FIELD TESTS (Con.)
--CONSTRUCTION CONTROL DESIGN DATA FATIGUE TESTS FIELD CONTROL FIELD DATA
FIELD GEOLOGY
FIELD LABORATORIES FIELD MANUALS FILTER TESTS
FOUNDATION INVESTIGATIONS
- GEOPHYSICAL EXPLORATION -- IMPACT TESTS -- IMPACT TESTS
-- MOBILITY
OFF-ROAD MOBILITY
-- PLATE BEARING TESTS
PROTOTYPE TESTS
-- QUALITY CONTROL
REFERENCE TEST AREAS
ROCK CLASSIFICATION
ROCK MECHANICS -- SAMPLING -- SHEAR TESTS
SHEARGRAPH TESTS
SITE INVESTIGATION - SITE SELECTION
SLOPE PERFORMANCE
- SOIL PENETRATION TESTS
SOIL SAMPLING STREAM CROSSINGS
-- SUBSURFACE EXPLORATION TEST CANALS
TEST PLANS
TEST PROCEDURES TEST PROCEDURES
TEST ROADS
TEST TECHNIQUES
-- TRAFFICABILITY
-- VANE SHEAR TESTS
-- VEHICLE PERFORMANCE
VEHICLE SPEED
-- VEHICLE TESTS FIELD UNIT WEIGHT DETERMINATION
UF FIELD DENSITY DETERMINATION
BT FIELD CONTROL TESTS (SOILS)
FIELD TESTS
UNIT WEIGHT DETERMINATION
NT DRIVE CYLINDER METHOD
NUCLEAR METHODS
FISTON SAMPLER METHOD
RUBBER BALLOON METHOD
SAND CONE METHOD
SAND CONE METHOD
TARTH DAM CONSTRUCTION
-- EMBANKMENT CONSTRUCTION
LABORATORY UNIT WEIGHT DETERMINATION
-- ROAD CONSTRUCTION
SOIL DENSITY FIELD VANE SHEAR EQUIPMENT 2
BT SHEAR EQUIPMENT
VANE SHEAR EQUIPMENT
BT DIAL GAGES
DRILL RODS
FIELD VANE SHEAR TESTS
LABORATORY VANE SHEAR
EQUIPMENT FIELD VANE SHEAR TESTS 2

UF IN SITU VANE SHEAR TESTS

BT FIELD TESTS

VANE SHEAR TESTS

VANE SHEAR TESTS

RT FIELD VANE SHEAR EQUIPMENT

LABORATORY VANE SHEAR

TESTS PIELD WATER CONTENT DETERMINATION
BT FIELD CONTROL TESTS (SOILS)
FIELD TESTS
WATER CONTENT DETERMINATION
NT NUCLEAR METHODS
RT EARTH DAM CONSTRUCTION
--EMBANKMENT CONSTRUCTION
LABORATORY WATER CONTENT
DETERMINATION
--ROAD CONSTRUCTION

-- ROAD CONSTRUCTION

15- BLOW COMPACTION TESTS COMPACTION TESTS
SOIL TESTS (LABORATORY)
MODIFIED COMPACTION TESTS
STANDARD COMPACTION TESTS FIGHTER AIRCRAFT 2 UF FIGHTER PLANES JET FIGHTERS AIRCRAFT MILITARY AIRCRAFT RT JET AIRCRAFT PATROL AIRCRAFT TRAINING AIRCRAFT FIGHTER BOMBERS 2 use BOMBER AIRCRAFT FIGHTER PLANES 2 4 5 use FIGHTER AIRCRAFT FIGHTER VEHICLES 5
use COMBAT VEHICLES ILLER GATES 1 BT HYDRAULIC GATES FILLER GATES FILLERS 2 3 4 5 NT ASPHALT JOINT FILLERS --JOINT FILLERS MINERAL FILLERS RT- - ADDITIVES DIATOMACEOUS EARTH GYPSUM KAOLIN PERLITE PIGMENTS -- RESINS (SYNTHETIC) -- SEALERS TALC VERMICULITE WATERSTOPS FILLS 1 2 7

NT BACKFILLS

-- COMPACTED FILLS
DUM PED FILLS
EARTH FILLS
HYDRAULIC FILLS
PRELOAD FILLS
ROCK FILLS
ROCK FILLS
ROLLED FILLS
SANITARY FILLS
SIDEHILL FILLS
RT-- CLOSURES
-- DAMS -- DAMS DIKES (EMBANKMENTS) EARTHWORK -- EMBANKMENTS FILMS (MOISTURE) RT ADSORBED WATER BASE EXCHANGE BOUNDARY LAYER
DOUBLE LAYER THEORY
ION ADSORPTION
-ION EXCHANGE
MONOMOLECULAR FILMS
-SOIL MOISTURE SPECIFIC SURFACE FILMS (PHOTOGRAPHY) 1 RT HIGH SPEED PHOTOGRAPHY -- PHOTOGRAPHS PHOTOGRA PHY FILTER BLANKETS UF INVERTED FILTERS BT BLANKETS RT- - EMBANKMENTS EMBARKMENTS
FILTER MATERIALS
FILTERS (SEEPAGE CONTROL)
PIPING (SEEPAGE)
SEEPAGE CONTROL

FILTERS (Con.)
WATER SUPPLY PILTER CRITERIA 1 2
RT EFFECTIVE GRAIN SIZE
FILTER MATERIALS
FILTER TESTS WELL SCREENS FILTERS (SEEPAGE CONTROL) 1 2 -- FILTERS BT FILTERS RT FILTER BLANKETS -- GRADATION GRAIN SIZES - SEEPAGE SEEPAGE CONTROL SEEPAGE PRESSURE PILTER MATERIALS 1 2
UF PILTER SANDS AND GRAVEL
SAND FILTERS
RT--COARSE GRAINED SOILS TRANSITION ZONES (SOILS) -- DRAINS
-- DRAINS
-- EPPECTIVE GRAIN SIZE
FILTER BLANKETS
FILTER CRITERIA
FILTER TESTS
-- FILTERS FILTERS (WATER TREATMENT) 1 LITERS (WATER TREATMENT)
BT FILTERS
NT ANTHRACITE FILTERS
CARBON FILTERS
GRANULAR ACTIVATED FILTERS
RAPID SAND FILTERS
SLOW SAND FILTERS
RT FILTER STRAINER SYSTEMS
FILTER WASHING -- GRAVELS PLASTIC FILTERS POROUS MATERIALS -- SANDS ILTRATION 1 2 3 7
NOTE: Process of separating
solids from a liquid by means
of a porous substance through
which only the liquid passes
BT SEPARATION
RT AEROBIC PROCESSES
BIOCHEMICAL OXYGEN DEMAND
CHEMICAL REMOVAL (WATER
TREATMENT)
CLARIFICATION FILTRATION FILTER SANDS AND GRAVEL USE FILTER MATERIALS FILTER STONES 1 2 NOTE: Used in soil testing equipment RT BUBBLE PRESSURE -- CONSOLIDOMETERS -- FILTERS
-- FLUID FILTERS
-- PIEZOMETERS CLARIFICATION DEWATERING POROUS MATERIALS
SHEAR EQUIPMENT
SPECIMEN DRAINS EXTRACTION -- FILTERS
-- FLOW THROUGH POROUS MEDIA
-- FLUID FILTERS FILTER STRAINER SYSTEMS 1 RT--FILTERS (WATER TREATMENT) -- LEAKAGE ODOR CONTROL OSMOSIS ILTER TESTS 1 2
BT SOIL TESTS (LABORATORY)
RT-- FIELD TESTS
FILTER CRITERIA
FILTER MATERIALS
-- FILTERS
-- FLUID FILTERS
-- PROPERTY OF THE PR FILTER TESTS PERCOLATION -- PERMEABILITY PRECIPITATION (CHEMISTRY) -- SEEPAGE -- SEEPAGE
-- SEWAGE TREATMENT
WALL FILTERS
WASTE WATER TREATMENT
WATER FILTERS
WATER PURIFICATION
WATER SUPPLY GRADATION
-- GRAIN SIZE ANALYSIS -- PERMEABILITY
RELATIVE DENSITY
SIEVE ANALYSIS -- WATER TREATMENT FINAL SET (CONCRETE)
use CEMENT SETTING FILTER WASHING 1 RT--FILTERS (WATER TREATMENT) "ILTERS 1 2 3 6 7

NT ACOUSTIC FILTERS
AIR FILTERS
DIGITAL FILTERS
- ELECTRIC FILTERS
ELECTROMAGNETIC FILTERS
FILTERS (SEEPAGE CONTROL)
FILTERS (WATER TREATMENT)
- FLUID FILTERS
TRICKLING FILTERS
WATER FILTERS
WATER WAVE FILTERS
WELL FILTERS
T DEWATERING
DIATOMACEOUS EARTH
DRAINAGE FINANCING RT CAPITAL LEASING FINE AGGREGATES 2 3 5 UF SAND REPLACEMENT (CONCRETE) BT AGGREGATES GRANULAR MATERIALS CINDERS
COARSE AGGREGATES
CONCRETE AGGREGATES
CRUSHED STONE FINES -- SANDS FINE GRAINED SOILS 2 5 NT BENTONITE DIATOMACEOUS EARTH DRAINAGE SYSTEMS -- DRAINAGE WELLS -- CLAYS -- EXPANSIVE CLAYS -- DRAINS FISSURED CLAYS GLACIAL CLAYS FILTER CRITERIA FILTER MATERIALS GOUGE CLAY
-- INORGANIC CLAYS
INORGANIC SILTS FILTER STONES FILTER TESTS FILTRATION GRANULAR MATERIALS KAOLIN MARINE CLAYS ORGANIC CLAYS ORGANIC SILTS -- MEMBRANES POROUS MEDIA SCREENING

FINITE ELEMENT METHOD (CO COMPUTER PROGRAMMING -- MATHEMATICAL MODELS MATRIX ANALYSIS FINE GRAINED SOILS QUICK CLAYS (Con.) (Con.) REMOLDED CLAYS RESEDIMENTED CLAYS RIGID BOUNDARIES SENSITIVE CLAYS STRESS ANALYSIS -- SILTS VARVED CLAYS
VOLCANIC CLAYS
RT-CLAYEY SOILS
-COHESIVE SOILS FIRE CONTROL NOTE: Control and coordination of the fire of guns or launchers by various devices RT BOMBING FALLING HEAD PERMEAMETERS DOMBING
CONVENTIONAL WEAPONS
FIRING TABLES
-- GUNS (ORDNANCE)
-- WEAPONS FINES HYDROMETER ANALYSIS IMPERVIOUS SOILS PARTICLES
PERMEABILITY TESTS WITH BACK PRESSURE
SILTY SOILS
SOIL (CONSTRUCTION MATERIAL)
SOIL TEXTURE FIRE DAMAGE 3 4 6
BT DAMAGE
RT FIRE PREVENTION
FIRE PROTECTION UNIFIED SOIL CLASSIFICATION SYSTEM FIRES -- WET ANALYSIS FIRE DETECTION SYSTEMS FINENESS 3 RT--CEMENT PROPERTIES UF FIRE DETECTORS RT FIRE PROTECTION FINENESS MODULUS
PARTICLE SIZE DISTRIBUTION
SPECIFIC SURFACE FIRE DETECTORS 4
use FIRE DETECTION SYSTEMS TEXTURE FIRE FIGHTING 6
RT FIRE PREVENTION
FIRES FINENESS MODULUS 3 RT FINENESS
PARTICLE SIZE DISTRIBUTION FIRE HAZARDS INES 2 3 5 RT--CLAYEY SOILS --CLAYS COLLOIDS BT HAZARDS RT FIRE PROTECTION HAZARDS FINES FIRE PREVENTION 6 FINE AGGREGATES
-- FINE GRAINED SOILS
FROST SUSCEPTIBILITY TESTS SAFETY
ACCIDENT PREVENTION
FIRE DAMAGE
FIRE FIGHTING -- GRADATION -- GRANULAR MATERIALS FIRE RESISTANCE HYDROMETER ANALYSIS
PARTICLE SIZE DISTRIBUTION
PARTICLES
PIPETTE METHOD FIRES SAFETY ENGINEERING THERMAL INSULATION FIRE PROTECTION 4
RT CIVIL DEFENSE
FIRE DAMAGE
FIRE DETECTION SYSTEMS
FIRE HAZARDS
FIRE RESISTANCE
FIRE RESISTANT MATERIAL ROCK FLOUR SIEVE ANALYSIS -- SILTS -- SILTY SOILS SOIL COMPONENTS SOIL TEXTURE FIRE RESISTANT MATERIALS -- WET ANALYSIS NUCLEAR WARFARE DEFENSE SAFETY ENGINEERING THERMAL INSULATION WARNING SYSTEMS FINISHES UF SURFACE FINISHES
NT CONCRETE FINISHES (HARDENED
CONCRETE) F FIRE PROOFING
FIRE PREVENTION
FIRE PROTECTION
-- FIRE RESISTANT COATINGS
FIRE TESTS
FIRES VARNISHES RT-- COATINGS FIRE RESISTANCE ORGANIC COATINGS PAINTS -- PIGMENTS
-- PROTECTIVE COATINGS
SPRAYED COATINGS
-- SURFACE FINISHING FIRES
HIGH TEMPERATURE
INTUMESCENT MASTIC TEXTURE WAXES -- MASONRY FINITE DIFFERENCE METHOD 1 2 3 SILICEOUS AGGREGATES BT NUMERICAL ANALYSIS
RT APPROXIMATION METHOD
COMPUTER APPLICATIONS
COMPUTER PROGRAMMING
DIFFERENCE EQUATIONS
EDBOA MAILYSTE THERMAL RESISTANCE FIRE RESISTANT COATINGS BT COATINGS PROTECTIVE COATINGS
NT INTUMESCENT MASTIC
RT FIRE RESISTANCE ERROR ANALYSIS INTERPOLATION -- MATHEMATICAL MODELS NUMERICAL INTEGRATION -- PARTIAL DIFFERENTIAL EQUATIONS FIRE RESISTANT MATERIALS 4
RT FIRE PROTECTION FIRE TESTS 3
RT FIRE RESISTANCE
HIGH TEMPERATURE
HIGH TEMPERATURE TESTS
THERMAL RESISTANCE
THERMAL GRADIENTS FINITE ELEMENT METHOD 1 2 3 4 5 6 7
BT NUMERICAL ANALYSIS
RT APPROXIMATION METHOD COMPUTER APPLICATIONS

The state of the s

FIREARMS use SMALL ARMS FIREBALLS 4
UF NUCLEAR FIREBALLS
BT EXPLOSION EFFECTS
RT--NUCLEAR EXPLOSION EFFECTS
NUCLEAR WEAPONS EFFECTS FIREBOMBS 4
BT BOMBS (ORDNANCE)
INCENDIARY AMMUNITION
INCENDIARY BOMBS RT FLAME WARFARE FIREBRICK 3 BT BRICKS REFRACTORY MATERIALS STRUCTURAL CLAY PRODUCTS RT-- MASONRY -- REFRACTORIES FIRECLAYS BT CLAY MINERALS
REFRACTORY MATERIALS
SILICATE MINERALS
RT--REFRACTORIES FIREPROOFING REPROOFING 3 4 use FIRE RESISTANCE IRES 4 6
RT ACCIDENTS
BURNS (INJURIES)
COMBUSTION -- EXPLOSIONS -- EXPLOSIVES FIRE DAMAGE
FIRE FIGHTING
FIRE PREVENTION
FIRE PROTECTION FIRE RESISTANCE FLAMES -- HAZARDS SAFETY FIRING PADS 4 RT-- ARTILLERY FIRING TABLES 4 RT FIRE CONTROL FISH AND WILDLIFE 7 use FISHES; WILDLIFE FISH BARRIERS BARRIERS RT- DAMS ELECTRICAL SHOCKING GEAR FISH MANAGEMENT FISH MIGRATION FISH SCREENS FISHWAYS FISH ELEVATORS
use FISHWAYS 1 3 7 FISH FARMING 7
use AQUICULTURE T ANAEROBIC CONDITIONS
EUTROPHICATION
FISH MANAGEMENT
- FISHES
MORPOTO FISH KILLS MORBIDITY MORTALITY PESTICIDE RESIDUES PESTICIDE TOXICITY RED TIDE
- WATER POLLUTION
WILDLIFE CONSERVATION FISH LADDERS 1 3 7

PISH LOCKS 1 3 7 use FISHWAYS FISH MANAGEMENT 1 7
BT MANAGEMENT
RT AQUICULTURE
-- ECOLOGY ENDANGERED SPECIES
-- ENVIRONMENTAL EFFECTS FARM PONDS FERTILIZATION FISH BARRIERS
FISH KILLS
FISH MIGRATION
FISH PASSAGES
FISHERIES
--FISHES FISHWAYS RESERVOIR OPERATION -- RESERVOIRS
-- WILDLIFE MANAGEMENT FISH MIGRATION MIGRATION 1 ANADROMOUS FISH CATADROMOUS FISH FISH BARRIERS FISH MANAGEMENT FISHWAYS FISH PASSAGES 1 RT ANADROMOUS FISH -- DAMS FISH MANAGEMENT FISH SCREENS FISHWAYS FISH SCREENS FISH BARRIERS FISH PASSAGES FISHWAYS HEADWORKS FISHERIES 1 7 ISHERIES 1 7

NOTE: Economic aspects of commercial fishing, or the total game fish population and its environment

RT AQUICULTURE

-- ECOLOGY FISH MANAGEMENT
-- FISHES MIGRATION FISHES 1 7
UF FISH AND WILDLIFE
BT AQUATIC ANIMALS
VERTEBRATES
VERTEBRATES NT- - ANADROMOUS FISH CARP CATP CATADROMOUS FISH CATFISHES
-- FRESHWATER FISHES MARINE FISHES MINNOWS ROUGH FISH NOUTH FISH
SALMON
TROUT
WARM-WATER FISHES
OF AQUICULTURE
--AQUATIC BIOLOGY
BIOLOGY FISH KILLS FISH MANAGEMENT FISHERIES FISHWAYS -- INVERTEBRATES MIGRATION WILDLIFE FISHWAYS 1 3 7
NOTE: Sloping structures over
which water flows, to enable
fish to ascend a stream around
a dam or other obstruction;
fish ladders

PIXED WHEEL GATES 1
BT HYDRAULIC GATES
RT BULKHEAD GATES
COASTER GATES
GATE HOISTS
HIGH PRESSURE GATES
INTAKE GATES
SPILLWAY GATES FISHWAYS AYS (Con.) FISH ELEVATORS FISH LADDERS FISH LOCKS RT-- ANADROMOUS FISH DIVERSION STRUCTURES
ELECTRICAL SHOCKING GEAR
ENTRANCES (FLUID FLOW) JORDS 1
BT TOPOGRAPHIC FEATURES
RT COASTS
-- ŒDOMORPHOLOGY
GLACIERS
-- INLETS (WATERWAYS)
OCEANS FISH BARRIERS FISH MANAGEMENT FISH MIGRATION FJORDS FISH PASSAGES FISH SCREEN -- FISHES -- INTAKES FISSION (NUCLEAR) 4 use NUCLEAR FISSION FLAME EMISSION SPECTROSCOPY 3 6
use FLAME PHOTOMETRY FLAME PHOTOMETRY 3 6
UP FLAME EMISSION SPECTROSCOPY
FLAME SPECTROPHOTOMETRY
FLAME SPECTROSCOPY
BT CHEMICAL ANALYSIS FISSION WEAPONS 4
UF A BOMBS
ATOMIC BOMBS
BT NUCLEAR WEAPONS WEAPONS WEAPONS
BOMBS (ORDNANCE)
FUSION WEAPONS
NUCLEAR EXPLOSIONS
NUCLEAR FISSION
NUCLEAR RADIATION
NUCLEAR WARHEADS PHOTOMETRY COLORIMETERS COLORIMETRIC ANALYSIS MICROANALYSIS PHOTOMETERS QUANTITATIVE ANALYSIS SPECTROCHEMICAL ANALYSIS SPECTROPHOTOMETRY FISSURED CLAYS 2 CLAYS COHESIVE SOILS -- SPECTROSCOPIC ANALYSIS FLAME PROPAGATION RT BURNING RATE COMBUSION FINE GRAINED SOILS DESICCATED SOILS FISSURES DETONATION SHRINKAGE CRACKING -- EXPLOSIONS FISSURES SSURES 2 3 RT--CRACKING (FRACTURING) DECOMPOSITION FLAME PROPAGATION FLAMES FLAME SPECTROPHOTOMETRY use FLAME PHOTOMETRY DISCONTINUITIES (STRUCTURAL GEOLOGY) GEOLOGY)
DISINTEGRATION
FAULTS AND FAULTING (GEOLOGY)
FISSURED CLAYS
FOLDS AND FOLDING (GEOLOGY)
FRACTURES AND FRACTURING
(GEOLOGY) FLAME SPECTROSCOPY 3 6
use FLAME PHOTOMETRY FLAME WARFARE BT WARPARE RT CHEMICAL WARPARE GEOLOGY)
FROST ACTION
JOINTS AND JOINTING (GEOLOGY)
STRUCTURAL GEOLOGY
THRUSTS AND THRUSTING
(GEOLOGY)
WEATHERING (GEOLOGY) FIREBOMBS FLAMETHROWERS -- INCENDIARY AMMUNITION FLAMES 4 RT COMBUSTION FIXED-BED MODELS 1
BT HYDRAULIC MODELS
MODELS
RT--CANALS FIRES
FLAME PROPAGATION
FLAME WARFARE FLAMETHROWERS -- CHANNELS **FLAMETHROWERS** ESTUARIES HARBORS FLAME WARFARE HYDRAULIC LABORATORIES HYDRAULIC SIMILITUDE MOVABLE-BED MODELS RIGID BOUNDARIES FLAP GATES 1
BT HYDRAULIC GATES
RT FLOODGATES -- RIVERS SEMIRIGID MODELS
-- SHOALING MATERIALS (MODELS) FLAP VALVES BT HYDRAULIC VALVES VALVES FIXED BOUNDARIES 2
use RIGID BOUNDARIES RT BUTTERFLY VALVES
CHECK VALVES
-- DRAINAGE
-- LINED CANALS UED PISTON SAMPLERS 2
UF STATIONARY PISTON TYPE SAMPLERS
DRIVE SAMPLERS
PISTON SAMPLERS
SAMPLERS
SOIL SAMPLERS
SOIL SAMPLERS
HYDRAULIC PISTON SAMPLERS
SHORT PISTON SAMPLERS
SWEDISH FOIL SAMPLERS FIXED PISTON SAMPLERS FLASH FLOODS BT FLOODS 1
BT FLOODS CONTROL
FLOOD CONTROL
FLOOD DAMAGE
-- RAIN AND RAINFALL
RAINFALL INTENSITY
SHEET FLOODS

The second secon

THUNDERSTORMS

FLASH FREEZING 1
BT FREEZING
RT DESALTING PROCESSES FLEXIBLE PAVEMENT CONSTRUCTION (Con.)
FLEXIBLE PAVEMENT DESIGN (HIGHWAYS)
-- PAVING EQUIPMENT (BITUMI-FLASH PHOTOGRAPHY BT PHOTOGRAPHY
RT COLOR PHOTOGRAPHY
UNDERWATER PHOTOGRAPHY -- ROAD CONSTRUCTION FLEXIBLE PAVEMENT DESIGN (AIRFIELDS) 2 5 BT DESIGN FLASH SET (CEMENT) 3 RT CEMENT SETTING FALSE SET (CEMENT) DESIGN
PAVEMENT DESIGN
AIRCRAFT LOADS
ASPHALT MIX DESIGN
CALIFORNIA BEARING RATIO
CALIFORNIA BEARING RATIO
TESTS FLASHBOARDS 1
RT--CHECK STRUCTURES
CHUTE SPILLWAYS -- DAMS FLEXIBLE PAVEMENT CONSTRUC-FREEBOARD FREEBOARD
-- DUTLET WORKS
SHAFT SPILLWAYS
LIDE CHANNEL SPILLWAYS
SPILLWAYS CREST PIERS TION GYRATORY COMPACTION TESTS GYRATORY METHOD DESIGN (PAVEMENTS)
MARSHALL METHOD -- SPILIWAYS STOP LOGS FLEXIBLE PAVEMENT DESIGN FLAT CONCRETE PLATES 3
BT CONCRETE SLABS
RT FLAT CONCRETE SLABS (HIGHWAYS) BT DESIGN PAVEMENT DESIGN
ASPHALT MIX DESIGN
CALIFORNIA BEARING RATIO
CALIFORNIA BEARING RATIO -- CONCRETE PLATES FLAT CONCRETE SLABS BT CONCRETE SLABS TESTS
FLEXIBLE PAVEMENT CONSTRUC-SLABS TION
GYRATORY COMPACTION TESTS
GYRATORY METHOD DESIGN
(PAVEMENTS) RT FLAT CONCRETE PLATES AT JACKS 2 3
NOTE: Hollow steel cushion
formed of two almost flat discs,
welded around the edge, which is
inflated under controlled pressure
UF HYDRAULIC PRESSURE PADS FLAT JACKS HUBBARD- FIELD METHOD HVEEM METHOD MARSHALL METHOD FLEXIBLE PAVEMENT FAILURES
(AIRFIELDS) 2 5
BT FAILURES
PAVEMENT FAILURES JACKS HYDRAULIC JACKS JACKING TESTS MECHANICAL JACKS PRESTRESSING ROCK STRESS MEASUREMENT RT FLEXIBLE PAVEMENT MAINTEN-ANCE
PLEXIBLE PAVEMENT PERFORMANCE AND EVALUATION
(AIRPIELDS)
JET FUEL SPILLAGE (PAVEMENTS) FLAT WHEEL ROLLERS 2 5 use STEEL WHEEL ROLLERS FLEXIBILITY 3 4
BT MECHANICAL PROPERTIES FLEXIBLE PAVEMENT FAILURES HIGHWAYS) 2 5
BT FAILURES
PAVEMENT FAILURES
RT FLEXIBLE PAVEMENT MAIN-RT-BENDING -- FLEXURAL STRENGTH PLASTICITY FLEXIBILITY METHODS 3
BT EQUILIBRIUM METHODS
MATRIX METHODS
STRUCTURAL ANALYSIS
NT UNIT LOAD METHOD
RT ELASTIC ANALYSIS
--ENERGY METHODS
STATIC STRUCTURAL ANALYSIS
STATICALLY DETERMINATE
STRUCTURES TENANCE FLEXIBLE PAVEMENT PERFOR-MANCE AND EVALUATION (HIGHWAYS) FLEXIBLE PAVEMENT MAINTENANCE LEXIBLE PAVEMENT MAINTENANCE
BT MAINTENANCE
RT--ASPHALT PAVING MACHINES
FLEXIBLE PAVEMENT PAILURES
(AIRFIELDS)
FLEXIBLE PAVEMENT FAILURES
(HIGHWAYS)
FLEXIBLE PAVEMENT PERFORMANCE AND EVALUATION
(AIRFIELDS)
FLEXIBLE PAVEMENT PERFORMANCE AND EVALUATION
(HIGHWAYS)
FLEXIBLE PAVEMENT DEFERIORATION
(HIGHWAYS)
PAVEMENT DETERIORATION STRUCTURES STATICALLY INDETERMINATE STRUCTURES FLEXIBLE FOUNDATIONS 2
BT FOUNDATIONS
RT DIFFERENTIAL SETTLEMENT
ELASTIC FOUNDATIONS
-- FOOTINGS PAVEMENT DETERIORATION
- PAVING EQUIPMENT (BITUMINOUS)
ROAD MAINTENANCE
RUNWAY REPAIRS -- FOUNDATION DESIGN MAT FOUNDATIONS PLEXIBLE PAVEMENT CONSTRUCTION
RT ASPHALT CURB MACHINES
ASPHALT DISTRIBUTORS
-- ASPHALT PAVING MACHINES
ASPHALT PLANTS
FLEXIBLE PAVEMENT DESIGN
(AIRPIELDS) FLEXIBLE PAVEMENT PERFORMANCE
AND EVALUATION (AIRFIELDS) 2
BT PAVEMENT PERFORMANCE AND
EVALUATION
RT FLEXIBLE PAVEMENT FAILURES (AIRPIELDS) PLEXIBLE PAVEMENT MAINTENANCE

```
FLEXIBLE PAVEMENT PERFORMANCE
AND EVALUATION (HIGHWAYS) 2
BT PAVEMENT PERFORMANCE AND
                                                                                                                                                       FLEXURAL STRENGTH (CONCRETE)
BT CONCRETE PROPERTIES
CONCRETE STRENGTH
FLEXURAL STRENGTH
MECHANICAL PROPERTIES
RT COMPRESSIVE STRENGTH
         EVALUATION
RT FLEXIBLE PAVEMENT FAILURES
(HIGHWAYS)
                                                                                                                                                                        COMPRESSIVE STRENGTH
(CONCRETE)
CONCRETE DEFORMATION
CONCRETE FATIGUE
FLEXURAL TESTS (CONCRETE)
RIGIDITY
TENSILE STRENGTH (CONCRETE)
                    FLEXIBLE PAVEMENT MAINTENANCE
    FLEXIBLE PAVEMENTS 2 3 4 5
UF ASPHALT PAVEMENTS
BITUMINOUS CONCRETE PAVEMENTS
                   PAVEMENTS
RUBBERIZED- TAR PAVEMENTS
         AT RUBBERIZED TAR FAVEMENTS
RT- ASPHALTS
BASE COURSES
- BITUMENS
BITUMINOUS CONCRETES
BITUMINOUS LABORATORIES
BITUMINOUS LABORATORIES
BITUMINOUS LABORATORIES
BITUMINOUS LABORATORIES
BITUMINOUS LABORATORIES
BITUMINOUS LABORATORIES
                                                                                                                                                        FLEXURAL STRENGTH (ROCK)
                                                                                                                                                                                                                              2 3 4
                                                                                                                                                                        PLEXURAL STRENGTH
MECHANICAL PROPERTIES
ROCK PROPERTIES
ROCK STRENGTH
              -- FUEL SPILLAGE (PAVEMENTS)
                                                                                                                                                                        COMPRESSIVE STRENGTH (ROCK)
                   HOT MIX
HUBBARD- FIELD METHOD
                                                                                                                                                                        RIGIDITY
                                                                                                                                                                        TENSILE STRENGTH (ROCK)
                   HVEEM METHOD
MACADAM
MARSHALL METHOD
                                                                                                                                                      FLEXURAL STRENGTH (SOILS) 2 4
BT FLEXURAL STRENGTH
MECHANICAL PROPERTIES
SOIL PROPERTIES
SOIL STRENGTH
RT COMPRESSIVE STRENGTH (SOILS)
TENSILE STRENGTH (SOILS)
             -- PAVING EQUIPMENT (BITUMINOUS)
SEAL COATS
                   TRAFFIC LOADS
    FLEXIBLE PIPES
                  CLOSED CONDUITS
CONDUITS
                                                                                                                                                      FLEXURAL TESTS (CONCRETE) 3
BT CONCRETE TESTS
RT FLEXURAL STRENGTH (CONCRETE)
                   PIPES
                  PLASTIC PIPES
PLEXIBLE TUBING
HOSE FITTINGS
                                                                                                                                                      FLEXURAL WAVES 2 3 4
UF BENDING WAVES
CRARY WAVES
BT ELASTIC WAVES
                   HOSES
            -- IRRIGATION SYSTEMS
                   PIPE FITTINGS
                  POLYETHYLENE
                                                                                                                                                                       WAVES
  FLEXIBLE TUBING
                                                                                                                                                      FLIGHT CHARACTERISTICS 1
RT FLUTTER
       BT CLOSED CONDUITS
RT FLEXIBLE PIPES
                 HOSE FITTINGS
                                                                                                                                                       FLIGHT VEHICLES
                                                                                                                                                           JOHT VEHICLES 5 6
NOTE: Use of a more specific term
is recommended; consult the terms
           -- RIGID TUBING
                                                                                                                                                                18 recommended; consultated below
AIR CUSHION VEHICLES
AIRCRAFT
MISSILES
SPACE VEHICLES
 PLEXIBLE WHEELS 5
UF ELASTIC RIM WHEELS
ELASTIC WHEELS
               ELASTIC WHEELS
WHEELS
ELASTIC LOOP MOBILITY MODEL
ELASTIC MEDIA
ELASTICITY
                                                                                                                                                     FLIP BUCKETS 1
RT CLOSED CONDUIT SPILLWAYS
CONTROL STRUCTURES
ENERGY DISSIPATION
         LUNAR ROVING VEHICLES
-- PNEUMATIC TIRES
RIGID WHEELS
TIRE STIPPMESS
-- WHEELED VEHICLES
                                                                                                                                                               ENERGY DISSIPATION
ENERGY DISSIPATORS (HYDRAULIC
STRUCTURES)
- OUTLET WORKS
OVERFLOW
                                                                                                                                                                     SCOUR
                                                                                                                                                               SKI-JUMP SPILLWAYS
--SPILLWAYS
STILLING BASINS
FLEXURAL RESONANT FREQUENCIES 3
use SONIC TESTS
 FLEXURAL STRENGTH 2 3 4 5 6
UF MODULUS OF RUPTURE IN BENDING
BT MCHANICAL PROPERTIES
NT FLEXURAL STRENGTH (CONCRETE)
FLEXURAL STRENGTH (ROCK)
FLEXURAL STRENGTH (SOILS)
RT-BEAMS (SUPPORTS)
BEND TESTS
-BENDING MOMENTS
BENDING STRESS
-COMPRESSIVE STRENGTH
-DEFLECTION
FATIGUE TESTS
FLEXIBILITY
FOUNDATION FAILURES
RIGIDITY
-STIFFMESS
STIFFMESS
FLEXURAL STRENGTH
                                                                                                                                                       LOAT GAGES 1
NOTE: Devices for measuring the eleva-
tion of the surface of a liquid
BT MEASURING INSTRUMENTS
RT LIQUID LEVEL INDICATORS
STREAM GAGING
WATER LEVEL INDICATORS
WATER STAGE RECORDERS
                                                                                                                                                  FLOAT WELLS 1
RT AUTOMATIC CONTROL
-- DISCHARGE (WATER)
-- HYDRAULIC GATES
                                                                                                                                                                - HYDRAULIC GATES
LIQUID LEVEL INDICATORS
STILLING WELLS
STREAM GAGING
STREAM GAGING STATIONS
STREAMFLOW RECORDS
WATER LEVEL INDICATORS
WATER MEASUREMENT
WATER STAGE RECORDERS
     - STIFFNESS
STRENOTH OF MATERIALS
STRENOTH THEORIES
TENSILE STRENOTH
ULTIMATE STRENOTH
                                                                                                                                                 FLOATING BODIES
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NOTE:

OTE: Nonspecific bodies buoyed by liquids

FLOATING STRUCTURES RT DRILLING BARGES DRY DOCKS FLOATING BREAKWATERS 1
BT BREAKWATERS
RT FLOATING STRUCTURES DRY DOCKS
FLOATING BREAKWATERS
FLOATING CAISSONS
FLOATING OBJECTS
FLOATING STRUCTURES
MARINE ENGINEERING
PONTOON BRIDGES MOBILE BREAKWATERS FLOATING BRIDGES 1
use PONTOON BRIDGES FLOATING CAISSONS 1 2
UF BOX CAISSONS
BT CAISSONS
RT BUOYANCY PONTOON GATES FLOATS 1 RT BUOYS -- FLOTATION -- FLOW MEASUREMENT PONTOONS FLOATING STRUCTURES UPLIFT PRESSURE WATER LEVELS FLOATING (CONCRETE)
use CONCRETE FINISHING (FRESH FLOCCULANT STRUCTURE (SOILS)
use CLAY STRUCTURE CONCRETE) FLOATING DOCKS 1 3 FT.OCCULANTS COCCULANTS 1 2 3 RT COAGULANTS DEFLOCCULANTS BT DOCKS DRY DOCKS HARBOR FACILITIES
HARBOR STRUCTURES FLOCCULATION FLOCCULATION 1 2 3 7
NOTE: Coalescence of a finely
divided precipitate into larger RT MARINAS FLOATING FOUNDATION CONSTRUCTION BT CONSTRUCTION
FOUNDATION CONSTRUCTION
RT FLCATING FOUNDATION DESIGN particles PARTICIES

ACTIVATED SLUDGE PROCESS

BIOCHEMICAL OXYGEN DEMAND
CLARIFICATION
CLAY STRUCTURE
COAGULATION
--COLLOIDAL PROPERTIES FLOATING FOUNDATION DESIGN DESIGN FOUNDATION DESIGN -- COLLOIDAL PROPERTIES
COLLOIDS
DEFLOCCULATION
DOUBLE LAYER THEORY
-- ENTRAINMENT
FLOCCULANTS
PRECIPITATION (CHEMISTRY)
-- SEDIMENTATION
-- SEPARATION RT FLOATING FOUNDATION CON-STRUCTION UPLIFT PRESSURE FLOATING FOUNDATIONS 2 3 OATING FOUNDATIONS 2 3

NOTE: Reinforced concrete foundations which are designed so that the sum of their own weight and of the loads to be carried is approximately equal to the weights of soll and/or water which they -- SEPARATION -- SEWAGE TREATMENT -- SOIL STRUCTURE WASTE WATER TREATMENT displace
UF BUOYANT FOUNDATIONS
BT FOUNDATIONS
SHALLOW FOUNDATIONS
RT BUOYANCY FLOOD CONTROL 1 2 3
UF FLOOD PREVENTION
RT--ABATEMENT
CHANNEL IMPROVEMENT
CHANNEL STABILIZATION
CHECK DAMS FLOTATION MAT FOUNDATIONS CHUTES -- DAMS -- DAMS
DESIGN FLOOD
DESIGN FLOOD
DETENTION RESERVOIRS
DIVERSION CHANNELS
DIVERSION DAMS
DIVERSION STRUCTURES
DIVERSION TUNNELS
-- DIVERSION WORKS FLOATING GATES use PONTOON GATES FLOATING ICE UF ICE ON RIVERS, LAKES, ETC. BT ICE ICE
ICEBERGS
FLOATING OBJECTS
FRAZIL ICE
ICE BREAKUP
ICE JAMS
ICE-WATER INTERFACES
IAER ICE -- DRAINAGE DRAINAGE SYSTEMS DRAINAGE SYSTEMS
DRAWDOWN
- EROSION CONTROL
FLASH FLOODS
FLOOD CONTROL MODELS
FLOOD CONTROL MODELS
FLOOD DAMAGE
FLOOD FIGHTING
FLOOD FORECASTING
FLOOD HYDROLOGY
FLOOD PLAINS
FLOOD PLOOD
FLOOD ROTECTION
FLOOD WALLS
FLOOD WALLS
FLOODQATES
FLOODQATES
FLOODQATES
FLOODGATES
FLOODGATES
FLOODGATES MELTING RIVER ICE SEA ICE FLOATING LANDING MATS 2 5 BT LANDING MATS RT BUOYANCY SEADROMES FLOATING OBJECTS 1 RT FENDERS
-- FLOATING ICE
FLOATING STRUCTURES FLOODPLAIN PLANNING FLOODS FLOODWAYS FLOW CONTROL FUSE PLUG SPILLWAYS FLOATING PILES 2
use FRICTION PILES

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FLOOD FORECASTING 1
UF FLOOD PREDICTION
BT FORECASTING
RT ANNUAL FLOODS
FLOOD CONTROL
FLOOD ESTIMATES
FLOOD PREQUENCIES
FLOOD HYDROGRAPHS
FLOOD PROTECTION
FLOOD PROTECTION
FLOOD PROTECTION
FLOODPLAIN STUDIES
-- FLOODS
HYDROGRAPH ANALYSIS
 FLOOD CONTROL (Con.)
-- HYDRAULIC ENGINEERING
           -- HYDRAULICS
HYDROELECTRIC PLANTS
           -- HYDROLOGY
HYDROMETEOROLOGY
                  LEVEES
                 MULTIPURPOSE RESERVOIRS
                 PEAK RUNOFF
PONDS
                 RESERVOIR OPERATION
RESERVOIR SURVEYS
                RESERVOIRS
RETENTION DAMS
RIVER BASIN DEVELOPMENT
RIVER BASINS
                                                                                                                                                                  HYDROGRAPH ANALYSIS
-- HYDROLOGY
                                                                                                                                                               HIDROGRAPH ANALYSIS

- HYDROLOGY
HYDROMETEOROLOGY
MAXIMUM PROBABLE FLOOD
PEAK RUNOPP

- PRECIPITATION (METEOROLOGY)
PROBABLE MAXIMUM PRECIPITATION
RAIN AND RAINFALL
RAINFALL RUNOFF RELATIONSHIPS
REGIONAL FLOODS
RESERVOIR DESIGN
RIVER BASINS
RIVER CURRENTS
RIVER FORECASTING
-- RIVER REGULATION
-- RUNOFP
-- STREAM FLOW
WARNING SYSTEMS
-- WATER SUPPLY PORECASTING
                 RIVER CUTOFFS
RIVER DIVERSION
                 RIVER ENGINEERING
RIVER FORECASTING
                 RIVER REGULATION
           -- RIVERS
          -- HIVERS
-- RUNOFF
SPILLWAY CAPACITY
WARNING SYSTEMS
WATER CONSERVATION
WATER DISTRIBUTION
-- WATER MANAGEMENT
          WATER POLICY
--WATER RESOURCES MANAGEMENT
WATERSHED MANAGEMENT
--WATERSHEDS
                                                                                                                                                                 -- WATER SUPPLY PORECASTING
-- WATERSHEDS
           -- WEATHER MODIFICATION
                                                                                                                                                          LOOD FREQUENCIES 1
RT ANNUAL FLOODS
FLOOD ESTIMATES
FLOOD FORECASTING
FLOOD HYDROGRAPHS
FLOOD HYDROLOGY
FLOODPLAIN REGULATION
FLOODPLAIN STUDIES
RAIN AND RAINFALL
STORM RUNOFF
-- STORMS
-- STREAM FLOW
-- WATERSHEDS
 FLOOD CONTROL CHANNELS 1
BT CHANNELS
                                                                                                                                                      FLOOD FREQUENCIES
     BT CHANNELS
RT FLOOD CONTROL
 FLOOD CONTROL MODELS 1
BT HYDRAULIC MODELS
                FLOOD CONTROL
HYDRAULIC SIMILITUDE
 FLOOD CONTROL TUNNELS
       use WATER TUNNELS
 FLOOD CURRENTS 1
use TIDAL CURRENTS
                                                                                                                                                                -- WATERSHEDS
                                                                                                                                                      FLOOD HYDROGRAPHS
 FLOOD DAMAGE
                                                                                                                                                                    HYDROGRAPHS 1
HYDROGRAPHS 1
HYDROGRAPHS 1
DEFTH AREA- DURATION ANALYSIS
DESIGN FLOOD
DESIGN STORM
FLOOD PORECASTING
FLOOD FREQUENCIES
FLOOD HYDROLOGY
FLOOD PEAKS
FLOOD ROUTING
FLOOD STAGES
FLOOD WAVES
FLOODPLAIN REGULATION
FLOODPLAIN STUDIES
HYDROLOGY
                                                                                                                                                                                                           1
               DAMAGE
DAM BREACHES
           DESIGN FLOOD
                FLOOD ESTIMATES
FLOOD PROTECTION
                 FLOOD WAVES
FLOODPLAIN INSURANCE
                FLOODS
HISTORIC FLOOD
                MAXIMUM PROBABLE FLOOD
OVERFLOW
                                                                                                                                                                    HYDROLOGY
                                                                                                                                                                    PEAK DISCHARGE
PEAK RUNOFF
RAIN AND RAINFALL
RAINFALL INTENSITY
                OVERTOPPING
REGIONAL FLOODS
 FLOOD ESTIMATES
             FLOOD DAMAGE
FLOOD FORECASTING
FLOOD FREQUENCIES
FLOOD HYDROLOGY
FLOOD ROUTING
FLOOD STAGES
                                                                                                                                                               -- RUNOFF
                                                                                                                                                                   RUNOPF
SNOWMELT
SPILLWAY DESIGN FLOOD
TIME LAG
TIME OF CONCENTRATION
                                                                                                                                                  PLOOD HYDROLOGY 1
BT HYDROLOGY
RT ANNUAL FLOODS
FLOOD CONTROL
FLOOD FORECASTING
FLOOD FREQUENCIES
FLOOD HYDROGRAPHS
FLOOD STAGES
                FLOODPLAIN REGULATION FLOODPLAIN STUDIES
          -- HYDROLOGY
-- PRECIPITATION (METEOROLOGY)
                RAIN AND RAINFALL
RESERVOIR DESIGN
                                                                                                                                                                  FLOOD STAGES
FLOOD FIGHTING 1
RT FLOOD CONTROL
                                                                                                                                                                 RAIN AND RAINFALL
STORM RUNOFF
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FLOOD HYDROLOGY (Con.) -- STORMS WATER STAGE RECORDERS -- WATERSHEDS FLOOD IRRIGATION 1 BT IRRIGATION SURFACE IRRIGATION FLOODING WATER SPREADING FLOOD PEAKS COOD FEARS 1
RT DESIGN FLOOD
DESIGN FLOW
DESIGN STORM
FLOOD HYDROGRAPHS
FLOOD ROUTING
FLOOD WAVES FLOODPROOFING -- FLOODS -- HYDROLOGY PEAK DISCHARGE
PEAK FLOODS
PEAK RUNOFF
RAIN AND RAINFALL
RAINFALL INTENSITY
- RUNOFF SNOWMELT SNOWHELT SPILLWAY CAPACITY SPILLWAY DESIGN FLOOD TIME LAG TIME OF CONCENTRATION LOOD PLAINS 1 2 7
NOTE: Nearly level land forming the bottom of a valley in which a stream is present and usually subject to flooding RT ALLUVIAL MORPHOLOGY ALLUVIAL PLAINS
-- ALLUVIUM BACKSWAMP DEPOSITE FLOOD PLAINS BACKSWAMP DEPOSITS DELTAIC PLAINS DELTAS DEPOSITION PLOOD CONTROL
FLOOD PROTECTION
FLOODPLAIN INSURANCE
FLOODPLAIN REGULATION
FLOODPLAIN ZONING
FLOODS FLOODWAYS
FLUVIAL HYDRAULICS
-- PLUVIAL MORPHOLOGY
-- GEOMORPHOLOGY MEANDERING STREAMS MEANDERS RIVERINE TERRACES RIVERS -- SEDIMENT -- SEDIMENTATION -- STREAMS ZONING FLOOD PREDICTION 1
use FLOOD FORECASTING FLOOD PREVENTION use FLOOD CONTROL FLOOD PROTECTION 1 2 3 ANNUAL FLOODS
CHANNEL DESIGN
CHANNEL IMPROVEMENT
CHANNEL STABILIZATION DIKES (EMBANKMENTS) DREDGING FLOOD CONTROL FLOOD DAMAGE FLOOD FORECASTING FLOOD PLAINS FLOOD ROUTING FLOOD WALLS FLOODGATES

FLOOD PROTECTION (Con.)
FLOODPLAIN INSURANCE
FLOODPLAIN PLANNING
FLOODPLAIN ZONING FLOODPROOFING -- FLOODS FLOODWAYS HURRICANE BARRIERS LEVEES PROTECTION RIVER ENGINEERING RIVER REGULATION -- RIVERS WARNING SYSTEMS WATER SPREADING FLOOD RELIEF CHANNELS 1 2 use FLOODWAYS FLOOD ROUTING T ROUTING
T ANNUAL FLOODS
AREA CAPACITY CURVES
-- DISCHARGE (WATER) FLOOD CONTROL FLOOD ESTIMATES FLOOD FORECASTING FLOOD HYDROGRAPHS FLOOD HYDROGRAPHS
FLOOD PEAKS
FLOOD PROTECTION
FLOOD WAVES
FLOODPLAIN REGULATION
FLOODPLAIN ZONING -- FLOODS FLOODWAYS HYDROGRAPHS -- HYDROLOGY PEAK RUNOFF RESERVOIR DESIGN RESERVOIR YIELDING RESERVOIRS
RIVER CURRENTS
RIVER FORECASTING
RUNOFF
STREAM FLOW
STREAMFLOW ROUTING WATER CONTROL
--WATER MANAGEMENT
--WATER RESOURCES MANAGEMENT
WATER STORAGE FLOOD STAGES FLOOD ESTIMATES FLOOD HYDROGRAPHS FLOOD HYDROLOGY -- HYDROLOGY STORM RUNOFF FLOOD WALLS 1 2 3 RT FLOOD CONTROL FLOOD PROTECTION FLOODGATES LEVEES FLOOD WARNING 1
use WARNING SYSTEMS FLOOD WAVES WATER WAVES BT DAM BREACHES
DESIGN FLOOD
DESIGN STORM
FLOOD DAMAGE
FLOOD HYDROGRAPHS
FLOOD PEAKS FLOOD ROUTING -- FLOODS FREEBOARD -- HYDROLOGY PEAK DISCHARGE RAINFALL INTENSITY -- RUNOFF SURGES TIME OF CONCENTRATION
-- WATER CURRENTS
WATER WAVE MOTION IN OPEN
CHANNELS

FLOODED SOILS RT- - GROUNDWATER MARSHES MUSKEG SATURATED SOILS SOFT SOILS SUBSURFACE DRAINAGE SURFACE DRAINAGE SURFACE WATERS SWAMPS DODGATES 1 2
BT HYDRAULIC GATES
RT CONTROL STRUCTURES
DIVERSION STRUCTURES
-- DIVERSION WORKS
DRUM GATES
FLAP GATES
FLOOD CONTROL
FLOOD PROTECTION
FLOOD WALLS
FLOODWAYS
GATE HOISTS FLOODGATES GATE HOISTS
RADIAL GATES
RIVER DIVERSION
ROLLER- BEARING GATES ROLLER GATES SLIDE GATES SLUICE GATES STONEY GATES FLOODING 1 NOTE: Includes only intentional inundation
f FLOOD IRRIGATION
GROUNDWATER RECHARGE
HYDRAULIC MINING PONDING
-- SURFACE IRRIGATION
-- WETLANDS FLOODPLAIN DEPOSITS 1 2 use ALLUVIUM FLOODPLAIN INSURANCE 1 6 BT INSURANCE
RT FLOOD DAMAGE
FLOOD PLAINS
FLOOD PROTECTION FLOODPLAIN PLANNING 1 2 RT FLOOD CONTROL FLOOD PROTECTION FLOODWAYS RIVER ENGINEERING FLOODPLAIN REGULATION FLOOD ESTIMATES
FLOOD FORECASTING
FLOOD FREQUENCIES
FLOOD HYDROGRAPHS FLOOD PLAINS
FLOOD PLAINS
FLOOD ROUTING
FLOODPLAIN STUDIES
STORM RUNOFF
WATERSHED MANAGEMENT
-- WATERSHEDS FLOODPLAIN STUDIES 1
RT FLOOD ESTIMATES
PLOOD FORECASTING
FLOOD PREQUENCIES
FLOOD HYDROGRAPHS
PLOODELAIN BEGILLA FLOODPLAIN REGULATION STORM RUNOFF WATERSHED MANAGEMENT -- WATERSHEDS PLOODPLAIN ZONING 1 BT ZONING RT BUILDING CODES FLOOD PROTECTION FLOOD PLAINS FLOOD ROUTING FLOODWAYS

OVERFLOW

FLOODPLAIN ZONING (Con.) OVERTOPPING RECREATIONAL FACILITIES RIVER BASIN DEVELOPMENT WATER RESOURCES DEVELOPMENT WATER ZONING FLOODPROOFING 1
RT FLOOD CONTROL
FLOOD PEAKS
FLOOD PROTECTION WARNING SYSTEMS FLOODS 1 7

NT ANNUAL FLOODS
FLASH FLOODS
HISTORIC FLOOD
PEAK FLOODS
REGIONAL FLOODS SHEET FLOODS SPILLWAY DESIGN FLOOD AVULSION BACKWATER BANK STORAGE BLOWOUTS BLOWOUTS
CLOUDBURSTS
DAM BREACHES
DAM FAILURES
DESIGN FLOOD
DISCHARGE (WATER)
FLOOD CONTROL
FLOOD DAMAGE
FLOOD FORECASTING
FLOOD HYDROLOGY
FLOOD PEAKS
FLOOD PLAINS
FLOOD PLOOTECTION
FLOOD ROUTING FLOOD ROUTING FLOOD WAVES FLOODWAYS FLOW DURATION FLUVIAL HYDRAULICS FRESHETS -- HYDROGRAPHS HYDROLOGIC BUDGET -- HYDROLOGY HYDROMETEOROLOGY MAXIMUM PROBABLE FLOOD OVERFLOW OVERLAND FLOW OVERTOPPING PEAK DISCHARGE PEAK RUNOFF PRECIPITATION (METEOROLOGY)
RAIN AND RAINFALL -- RUNNING WATERS -- RUNOFF SAND BOILS STORM RUNOFF -- STORMS STREAM DEGRADATION STREAMFLOW FORECASTING STREAMFLOW REGULATION --SURFACE WATERS WATER CONSERVATION JOODWAYS 1 2 UF FLOOD RELIEF CHANNELS BT WATERWAYS (WATERCOURSES) FLOODWAYS BYPASSES CHANNEL DESIGN -- CHANNELS
CONTROL STRUCTURES
DIVERSION STRUCTURES
-- DIVERSION WORKS FLOOD CONTROL FLOOD PLAINS FLOOD PROTECTION FLOOD ROUTING FLOODGATES FLOODPLAIN PLANNING FLOODPLAIN ZONING -- FLOODS

LEVEES RIVER DIVERSION -- RIVERS SPILLWAY CAPACITY
SPILLWAY DESIGN FLOOD
-- SPILLWAYS WATER CONTROL FLOOR HARDENERS 3
USE CONCRETE SURFACE HARDENING
SURFACE HARDENERS (CONCRETE) FLOORINGS 3 LOORS 3
UF FLOORINGS
NT CONCRETE FLOORS
HEAVY DUTY FLOORS
SLOTTED FLOORS
RT-BUILDINGS
METAL DECK PORMS FLOORS SKID RESISTANCE TILES LORA 7 use PLANTS (BOTANY) OTATION 1 2 3 5
NT GROUND FLOTATION
RT BUOYANCY
CONTACT PRESSURE (VEHICLES)
FLOATING CAISSONS
FLOATING FOUNDATIONS
FLOATING FOUNDATIONS
UPLIFT PRESSURE FLOTATION FLOTSOM OTSOM 1 RT LITTORAL ZONE LOW 1 2 3 7
NT-AIR FLOW
ARTESIAN FLOW
AVERAGE FLOW
AXIAL FLOW
CAPILLARY FLOW
-- CHANNEL FLOW
-- CLOSED CONDUIT FLOW
CONDUIT FLOW
CONDUIT FLOW
CONDUIT FLOW CONVERGING FLOW CONVERGING FLOW

- CRITICAL FLOW
DENSITY FLOW
DESIGN FLOW
FLOW AROUND BRIDGE PIERS
FLOW AROUND OBJECTS
FLOW THROUGH POROUS MEDIA
- FLUID FLOW -- FLUID FLOW
-- GAS FLOW
GRADUALLY VARIED FLOW
GRAVITY FLOW (GROUNDWATER)
-- GROUNDWATER FLOW
INCOMPRESSIBLE FLOW
LOW FLOW
-- MULTIPHASE FLOW
NATURAL FLOW
NONNEWTONIAN FLOW
NONUMIFORM FLOW
ONE-DIMENSIONAL FLOW
OPEN CHANNEL FLOW
OVERBANK FLOW
OVERBANK FLOW
OVERBANK FLOW
PERCOLATION PERCOLATION PIPE FLOW POTENTIAL FLOW PULSATING FLOW REGULATED FLOW

RETURN FLOW ROTATIONAL FLOW SATURATED FLOW

PLOODWAYS

AYS (Con.) FUSEPLUG SPILLWAYS

(Con.) SHEET FLOW SINGLE PHASE FLOW SINGLE PHASE FLOW SLIP FLOW SOLIDS FLOW STEADY FLOW STRATIFIED FLOW STRATIFIED FLOW SUBCRITICAL FLOW SUBMERGED FLOW SUBMERGED FLOW SUBSONIC FLOW
SUBSURFACE FLOW
SUPERCRITICAL FLOW
SUPERSONIC FLOW THREE DIMENSIONAL FLOW TRANSIENT FLOW TRANSITION FLOW
TRANSONIC FLOW
TURBULENT FLOW
TWO DIMENSIONAL FLOW UNIFORM FLOW UNSATURATED FLOW UNSTEADY FLOW VARIED FLOW VISCOUS FLOW WATER FLOW RT AIR DEMAND ALTERATION OF FLOW AQUIFERS BAFFLES CAVITATION COLLOIDS -- CONDUITS CONTINUITY EQUATION -- CREEP DARCYS LAW -- DIFFUSION -- DRAINAGE - DRAINAGE
ENERGY EQUATION
- FLOW AUGMENTATION
FLOW CHARACTERISTICS
- FLOW CONTROL
FLOW DURATION
FLOW MEASUREMENT
FLOW MEASUREMENT
FLOW PROFILES
FLOW RATE
FLOW SEPARATION
- FLOW SILDES -- FLOW SLIDES -- FLOWMETERS -- FLUID MECHANICS FLUID RESISTANCE -- FLUIDS FLUORESCEIN FREE SURFACES
HAZEN-WILLIAMS EQUATION
HEAD LOSSES
HEADWORKS HYDRAULIC DESIGN
HYDRAULIC GRADIENTS
HYDRAULIC PROPERTIES
HYDRAULIC RADIUS -- HYDRAULICS HYDRODYNAMICS INFLOW
--INTERFACES
JETS (FLUIDS)
KINETICS KUTTER FORMULA -- LEAKAGE MOMENTUM EQUATION MUD FLOWS NEGATIVE PRESSURE -- PIPES POROUS MEDIA PRESSURE GRADIENTS REGIME REYNOLDS NUMBER

FLOW (Con.)	FLOW CONTROL (Con.)
RHEOLOGY	RT ARTIFICIAL RECHARGE
RUNNING WATERS	AUTOMATIC CONTROL
RUNOFF	BACKWATER PROFILES
SEDIMENT TRANSPORT	BAFFLE PIERS
SEEPAGE	BAFFLE PLATES
SLUICES	CONTOURS
STILLING BASINS	DAMS
SUBSURFACE DRAINAGE	DISCHARGE (WATER)
THIEM TEST	DIVERSION DAMS
TRACTIVE FORCES	DIVERSION TUNNELS
TURBULENCE	DIVERSION WORKS
VALVES	ELECTRONIC EQUIPMENT
VELOCITY DISTRIBUTION	FLOOD CONTROL
VISCOSITY	FLOW
VORTICES	FLOW RATE
WATER	GRADIENTS
WATER BALANCE	GUIDE WALLS
WATER CURRENTS WATER DISTRIBUTION	HEADWALLS
WATER DISTRIBUTION	HEADWORKS
FLOW AROUND BENDS 1	HYDRAULIC GATES HYDRAULIC VALVES
use CHANNEL BENDS	LIQUID LEVEL CONTROL
CONDUIT BENDS	LOCKS (WATERWAYS)
	ORIFICES
FLOW AROUND BRIDGE PIERS 1	PLUG VALVES
BT FLOW	PNEUMATIC VALVES
RT BRIDGE PIERS	SLOPES
FLOW AROUND OBJECTS	SPILLWAY CRESTS
FLOW RATE	SPILLWAY GATES
RESISTANCE	SPILLWAYS
VORTICES	VALVES
	WATER CONTROL
FLOW AROUND OBJECTS 1	WATER MANAGEMENT
UF OBSTACLES (FLOW AROUND)	WATER RESOURCES MANAGEMENT
BT FLOW	WATER SPREADING
RT DIVERSION	WATER SURFACE PROFILES
EDDIES FLOW ARCHIND BRIDGE PIERS	WEIRS
FLOW PATTERNS	BY UM DEDIELEUWODE 3
FLOW RATE	FLOW DEFLECTORS 1 RT BAFFLE PLATES
FORM RESISTANCE (HYDRAULICS)	BAFFLES
HYDRAULIC JUMP	DIFFUSERS
NONUNIFORM FLOW	DIVERSION WORKS
RESISTANCE	GUIDE WALLS
STOKES LAW	VANES
VORTICES	
WAKES	FLOW DISTRIBUTION 1
	RT BOUNDARY LAYER FLOW
FLOW AUGMENTATION 1	BOUNDARY SHEAR
UF AUGMENTATION (FLOW)	BRANCHES
BT FLOW CONTROL	CAVITATION
NT LOW FLOW AUGMENTATION	FLOW PATTERNS
RT DISCHARGE (WATER)	FLOW VISUALIZATION
FLOW	FLUID FLOW
FLOW MEASUREMENT	LAMINAR FLOW
POLLUTION ABATEMENT	TURBULENT FLOW
POLLUTION CONTROL PUMPED STORAGE	FLOW DURATION 1
STREAM FLOW	
STREAMFLOW DEPLETION	RT DEPTH-AREA-DURATION ANALYSISDISCHARGE (WATER)
WATER LEVELS	DURATION CURVES
WATER MANAGEMENT	FLOODS
WATER QUALITY	FLOW
WATER QUALITY CONTROL	FLOW DURATION CURVES
	FLUID MECHANICS
FLOW CHARACTERISTICS 1	HYDROLOGIC DATA
RT FLOW	MASS CURVES
FLOW DURATION CURVES	RUNOFF
FLOW MEASUREMENT	RUNOFF FORECASTING
FLOW RATE	STREAM FLOW
HYDRAULICS	FLOW DIBATION OFFI
SLOTS	FLOW DURATION CURVES 1
FLOW CHARTS 1 2 3 4 5 6 7	BT CURVES
FLOW CHARTS 1 2 3 4 5 6 7 BT CHARTS	RTDISCHARGE COEFFICIENTSDISCHARGE (WATER)
RT ARROW DIAGRAMS	DURATION CURVES
BAR GRAPHS	FLOW CHARACTERISTICS
COMPUTER PROGRAMMING	FLOW DURATION
CRITICAL PATH METHOD	FLOW RATE
PERT	FREQUENCY
SYSTEMS ANALYSIS	FREQUENCY ANALYSIS
	ANADIOIS
FLOW CONTROL 1	
NT FLOW AUGMENTATION	
LOW FLOW AUGMENTATION	

FLOW DURATION CURVES (Con.) FREQUENCY CURVES HYDROLOGIC DATA MASS CURVES -- STREAM FLOW FLOW MEASUREMENT BT MEASUREMENT 1 2 3 BT MEASUREMENT
RT--ANEMOMETERS
BROAD-CRESTED WEIRS
CALIFORNIA PIPE METHOD
CIPOLLETTI WEIRS CURRENT METERS
- DISCHARGE MEASUREMENT FLOATS -- FLOW -- FLOW AUGMENTATION FLOW CHARACTERISTICS FLOW NETS FLOW RATE -- FLOWMETERS -- FLUID FLOW -- FLUMES (MEASURING) -- GAGES -- GAGES
-- GAGING STATIONS
-- GROUNDWATER FLOW
HOT FILM ANEMOMETERS
HOT WIRE ANEMOMETERS
-- HYDRAULIC GATES
-- HYDRAULICS -- MULTIPHASE FLOW ORIFICE METERS -- ORIFICES PARSHALL FLUMES -- PERMEAMETERS
PITOT SPHERES
PITOT TUBES
PROPELLER METERS RECTANGULAR WEIRS SHARP-CRESTED WEIRS SOLIDS FLOW STILLING WELLS STREAM GAGING STREAM GAGING STATIONS STREAMFLOW REGULATION STREAMFLOW REGULATION SUBMERGED ORIFICES SUBMERGED WEIRS TURBINE EFFICIENCY VEE- NOTCHED WEIRS VELOCITY VELOCITY DISTRIBUTION
--VELOCITY METERS (FLUIDS)
--VENTURI FLUMES
VENTURI METERS WATER MEASUREMENT WATER TUNNELS (TESTING) -- WEIRS WELL YIELD FLOW METERS 1 2 7 LOW NETS 1 2 7
UP HYDRAULIC FLOW NETS
RT AQUICUDES
-- AQUIFERS
-- BOUNDARIES (SURFACES)
DAM UNDERSEEPAGE FLOW NETS DISTRIBUTION PATTERNS -- DRAINAGE -- EARTH DAMS
ELECTRIC ANALOGY SEEPAGE
MODELS MODELS
-- FLOW
FLOW MEASUREMENT
FLOW RATE
-- GROUNDWATER
-- GROUNDWATER FLOW
GROUNDWATER HYDRAULICS
-- HYDRAULIC GRADIENTS
-- HYDRAULIC GRADIENTS -- HYDRAULICS LAMINAR FLOW PHREATIC LINE POTENTIAL FLOW

-- SEEPACE

FLOW NETS (Con.) SEEPAGE THEORY -- SLOPE STABILITY ANALYSIS UNDERSEEPAGE THEORY FLOW OF HEAT 1 2 3 4 7 USE HEAT TRANSMISSION FLOW PATTERNS 1 RT-- CHANNEL FLOW T-- CHANNEL FLOW
-- CLOSED CONDUIT FLOW
-- CRITICAL FLOW
ENTRANCES (FLUID FLOW)
FLOW AROUND OBJECTS
FLOW DISTRIBUTION
-- FLUID FLOW
GRADUALLY VARIED FLOW
LAMINAR FLOW LOW FLOW NONUNIFORM FLOW OPEN CHANNEL FLOW ORIFICE FLOW OVERLAND FLOW PIPE FLOW ROTATIONAL FLOW SHEET FLOW STEADY FLOW STRATIFIED FLOW -- STREAM FLOW SUPERCRITICAL FLOW TRANSITION FLOW TURBULENT FLOW UNIFORM FLOW UNSTEADY FLOW VISCOUS FLOW FLOW PROFILES
BT PROFILES RT BACKWATER BACKWATER PROFILES -- FLOW FLOW MEASUREMENT FLOW RATE REGIME STREAMFLOW REGULATION -- TIDES WATER DISTRIBUTION FLOW RATE OW RATE 1 7 RT--DISCHARGE (WATER) I- DISCHARGE (WATER)
- FLOW
FLOW AROUND BRIDGE PIERS
FLOW AROUND OBJECTS
FLOW CHARACTERISTICS
- FLOW CONTROL FLOW DURATION CURVES FLOW MEASUREMENT FLOW NETS
FLOW PROFILES
FLOW SEPARATION
FLOWMETERS INFILTRATION CAPACITY INFILTRATION RATE NEWTONIAN FLOW STREAM GAGES STREAM GAGING TRANSLATORY WAVES VISCOSITY FLOW REGULATORS 1 RT--CONTROL EQUIPMENT FLOW RESISTANCE 1 2 3 4 use VISCOSITY FLOW SEPARATION RT-- BOUNDARIES (SURFACES)
CAVITATION -- FLOW FLOW RATE FLOW SLIDES

EARTH MOVEMENTS MASS WASTING

FLOW SLIDES (Con.)
NT MUD FLOWS
RT COLLAPSIBLE SOILS PLUE GASES (Con.)
RT AIR POLLUTION
AIRBORNE WASTES
COMBUSTION PRODUCTS LANDSLIDE DAMS -- EMISSIONS -- LANDSLIDES
LIQUEFACTION (SOILS)
QUICK CLAYS **FUMES** VAPORS ROCK SLIDES FLUERICS FLOW TABLE TESTS (MORTARS) 3
BT CONSISTENCY TESTS
RT MORTARS (MATERIAL)
NORMAL CONSISTENCY TESTS use FLUIDICS FLUID AMPLIFIERS 1

NT FLUIDIC AMPLIFIERS

HYDRAULIC INTENSIFIERS

RT-- FLUIDIC DEVICES FLOW TESTS (BITUMINOUS MATERIALS)
RT ASPHALT MIX DESIGN
HOT MIX FLUID DRIVES JOINT SEALERS
MARSHALL METHOD
OPTIMUM BITUMEN CONTENT use HYDRAULIC DRIVES FLUID DYNAMICS 1 4
BT FLUID MECHANICS
NT AERODYNAMICS
-- GAS DYNAMICS FLOW THROUGH POROUS MEDIA 1 2 BT FLOW NT BASE FLOW RT CAPILLARITY HYDRODYNAMICS CAVITATION INDEX CAPILLARY FLOW FILTRATION -- COMPRESSIBLE FLOW CONTINUITY EQUATION -- GROUNDWATER FLOW PERCOLATION CONVECTION - DYNAMICS -- FLUID FLOW GAS LAWS -- PERMEABILITY POROUS MEDIA -- HYDRAULICS HYDRODYNAMIC PRESSURE WELL THEORY -- HYDROMECHANICS KINETICS FLOW THROUGH TESTS STEADY FLOW SUBSONIC FLOW SUPERSONIC FLOW TRANSIENT FLOW BT CONSISTENCY TESTS FLOW VISUALIZATION 1
RT FLOW DISTRIBUTION
SCHLIEREN PHOTOGRAPHY
-- SHADOWGRAPH PHOTOGRAPHY TURBULENCE TURBULENT FLOW UNIFORM FLOW
-- UNSTEADY FLOW
UNSTEADY STATE
WATER HAMMER -- WIND TUNNELS LOWMETERS 1 2 7
NOTE: Instruments which measure
quantity of fluid flow per unit
of time through channel or pipe
UF FLOW METERS
FLUID METERS
POTA METERS FLOWMETERS -- WIND TUNNELS FLUID FILTERS BT FILTERS 1 7 AIR FILTERS
TRICKLING FILTERS
WATER FILTERS
WELL FILTERS
CLARIFIERS
DEWATERING ROTAMETER NT HOTAMETER
WATER METERS
MEASURING INSTRUMENTS
VELOCITY METERS (FLUIDS)
ACOUSTIC FLOWMETERS
ORIFICE METERS
VENTURI METERS DIATOMACEOUS EARTH DIATOMS RT-- ANEMOMETERS
CURRENT METERS
DISCHARGE MEASUREMENT
-- DISCHARGE (WATER) DRAINAGE SYSTEMS
FILTER STONES
FILTER TESTS
FILTRATION -- FLOW
FLOW MEASUREMENT
FLOW RATE
-- FLUID FLOW MEMBRANES POROUS MEDIA -- SANDS -- GAGES -- GROUNDWATER FLOW FLUID FLOW 1 3 7
NOTE: Includes gas and liquids
BT FLOW
NT AIR CIRCULATION
--AIR FLOW
BASE FLOW
BOUNDARY LAYER FLOW
COMPRESSIBLE FLOW
--CRITICAL FLOW
--EQUILIBRIUM FLOW
FREE MOLECULE FLOW
FROZEN EQUILIBRIUM FLOW
--GAS FLOW -- GROUNDWATER FLOW
-- ORIFICES
PITOT SPHERES
-- PITOT TUBES
STREAM GAGES
STREAM GAGING
STREAM GAGING STATIONS
STREAMFLOW REGULATION
-- VELOCITY
-- VENTURI FLUMES
-- WEIRS FLUCTUATION 7 RT EQUILIBRIUM -- GAS FLOW -- GROUNDWATER FLOW HYPERSONIC FLOW INCOMPRESSIBLE FLOW NOTE: Mixture of gases resulting from combustion and emerging INVISCID FLOW KNUDSEN FLOW LAMINAR FLOW LIQUID FLOW from a chimney EXHAUST GASES BT

GASES

FLUID FLOW (Con.)
LOW FLOW
-- MOLECULAR FLOW MULTIPHASE FLOW
NATURAL FLOW
NEWTONIAN FLOW
NONEQUILIBRIUM FLOW NONEQUILIBRIUM FLOW
NON-NEWTONIAN FLOW
NONUNIFORM FLOW
ONE-DIMENSIONAL FLOW
OPEN CHANNEL FLOW
OPEN CHANNEL FLOW
OVERLAND FLOW
PIPE FLOW
POTENTIAL FLOW
PULSATING FLOW
REGULATED FLOW
RETURN FLOW RETURN FLOW SHIFTING EQUILIBRIUM FLOW SHIFTING EQUILIBRIUS SINGLE PHASE FLOW SKIN FRICTION SLIP FLOW STEAM FLOW STEAM FLOW SUBCRIFTICAL FLOW SUBSONIC FLOW SUPERSONIC FLOW THREE DIMENSIONAL FLOW TRANSIENT FLOW TRANSITION FLOW TRANSONIC FLOW TURBULENT FLOW TWO DIMENSIONAL FLOW
-- TWO PHASE FLOW UNIFORM FLOW UNSTEADY FLOW VISCOUS FLOW AERODYNAMICS AIR DEMAND AXIAL FLOW BAFFLES
BOUNDARY CONDITIONS
-- BOUNDARY LAYER
CAVITATION CAVITATION RESISTANCE

- CHANNEL FLOW
CONDUCTIVITY
CRITICAL SLOPE (HYDRAULICS)

- DISCHARGE (WATER)
DRAWDOWN CURVES
FLOW DISTRIBUTION
FLOW MEASUREMENT
FLOW PATTERNS

- FLOWMETERS
- FLUID DYNAMICS
- FLUID MECHANICS
FLUID RESISTANCE
FLUORESCEIN
FLUVIAL HYDRAULICS FLUORESCEIN
FLUVIAL HYDRAULICS
FROUDE NUMBER
- HEAD (FLUID MECHANICS)
HEAD LOSSES
HEAT TRANSMISSION
HOT FILM ANEMOMETERS
HOT WIRE ANEMOMETERS
- HYDRAULICS
HYDRODYNAMIC PRESSURE
HYDRODYNAMICS
- HYDROMECHANICS
JET DIPPUSION - HYDROMECHANICS
JET DIFFUSION
JETS (FLUIDS)
KUTTER FORMULA
LAMINAR BOUNDARY LAYER
MANNING EQUATION MASS FLOW OUTLET WORKS PERMISSIBLE VELOCITY PIPES PITOT SPHERES PRESSURE GRADIENTS REYNOLDS NUMBER RIVER CURRENTS ROTATIONAL FLOW

SLOTS SOLIDS FLOW

FLUID FLOW (Con.)
-- SPILLWAYS
-- SURGES
TURBINE EFFICIENCY
TURBULENCE -- VELOCITY
VELOCITY HEAD
-- VELOCITY METERS (FLUIDS)
VISCOSITY -- VORTICES FLUID FRICTION 1
use FLUID RESISTANCE FLUID MECHANICS 2 3 4 NT AERODYNAMICS AEROSTATICS - FLUID DYNAMICS
- FLUVIAL HYDRAULICS
- GAS DYNAMICS
- HYDRAULICS HYDRODYNAMICS
-- HYDROMECHANICS
HYDROSTATICS
TIDAL HYDRAULICS TUNNEL HYDRAULICS AIR DEMAND BAFFLE PIERS COMPRESSIBLE FLOW CONTINUUM MECHANICS
CRITICAL DEPTH
CRITICAL SLOPE (HYDRAULICS)
-- CRITICAL VELOCITY -- DYNAMICS -- FLOW
-- FLOW DURATION -- FLUID FLOW FLUID POWER FLUID RESISTANCE FLUIDICS -- FLUIDS GAS LAWS HYDRAULIC DESIGN
-- HYDRAULIC ENGINEERING
-- HYDRAULIC GATES
HYDRAULIC LABORATORIES
HYDRODYNAMIC PRESSURE
HYDROSTATIC PRESSURE KINETICS RESISTANCE COEFFICIENT SPILLWAY GATES
-- TRACTIVE FORCES
VELOCITY DISTRIBUTION
VELOCITY HEAD VISCOSITY WALL FRICTION (HYDRAULICS) FLUID METERS 1 2 7 use FLOWMETERS FLUID POWER 1 RT--FLUID MECHANICS FLUIDICS -- HYDRAULICS FLUID PRESSURE CELLS 1 2
use PRESSURE CELLS (FLUIDS) FLUID RESISTANCE 1 UF FLUID FRICTION RT BOUNDARY SHEAR T BOUNDARY SHEAR
-- FLOW
-- FLUID FLOW
-- FLUID MECHANICS
-- GAS FLOW
HEAD LOSSES
HYDRAULIC FRICTION
-- HYDRAULICS
KUTTER FORMULA
LAMINAR FLOW
-- LIQUID FLOW
ORIFICE FLOW
PIPE FLOW PIPE FLOW PRESSURE GRADIENTS

FLUID RESISTANCE (Con)
RESISTANCE COEFFICIENTS (Con.) LIQUIDS NEWTONIAN FLOW FLUIDS ROUGHNESS COEFFICIENT SKIN FRICTION STEADY FLOW SURFACE ROUGHNESS (HYDRAULICS) VISCOSITY FLUMES (BIFURCATED) 1
use CHANNEL BIFURCATION TRANSIENT FLOW TURBULENT FLOW FLUMES (HYDRAULIC TESTING FACILITIES) 1
UF WATER WAVE FLUMES
BT CONDUITS UNIFORM FLOW UNSTEADY FLOW -- VISCOSITY
WALL FRICTION (HYDRAULICS) FLUIDIC AMPLIFIERS 1
BT FLUID AMPLIFIERS
FLUIDIC DEVICES
RT FLUIDIC CONTROL DEVICES
FLUIDIC GATING DEVICES
FLUIDIC LOGIC DEVICES FLUMES (MEASURING) 1
NT PARSHALL FLUMES
-- VENTURI FLUMES
RT FLOW MEASUREMENT
WATER MEASUREMENT FLUMES (WATER CONVEYANCE STRUCTURES) 1 UF IRRIGATION FLUMES BT CHANNELS HYDRAULIC INTENSIFIERS FLUIDIC CIRCUITS use FLUIDICS CONDUITS OPEN CHANNELS OPEN CHANNELS
CRITICAL DEPTH FLUMES
CUTTHROAT FLUMES
TRAPEZOIDAL FLUMES
TRIANGULAR FLUMES FLUIDIC CONTROL DEVICES BT FLUIDIC DEVICES

RT--CONTROL EQUIPMENT

FLUIDIC AMPLIFIERS

FLUIDIC GATING DEVICES

FLUIDIC LOGIC DEVICES AQUEDUCTS BYPASSES FLUIDIC DEVICES 1

NT FLUIDIC AMPLIFIERS
FLUIDIC CONTROL DEVICES
FLUIDIC GATING DEVICES
FLUIDIC LOGIC DEVICES
RT--FLUID AMPLIFIERS
FLUIDICS -- CANALS DIVERSION STRUCTURES HEADWALLS IRRICATION ENGINEERING SLUICES FLUORESCEIN 1 2 RT DYE RELEASES -- DYES FLUIDIC GATING DEVICES 1
BT FLUIDIC DEVICES
RT FLUIDIC AMPLIFIERS
FLUIDIC CONTROL DEVICES -- FLOW -- FLUID FLOW FLUORESCENCE -- GROUNDWATER FLOW PONDING TESTS PUMPING TESTS (WELLS) TRACERS FLUIDIC LOGIC DEVICES FLUIDIC LOGIC DEVICES 1
BT FLUIDIC DEVICES
RT FLUIDIC AMPLIFIERS
FLUIDIC CONTROL DEVICES
FLUIDIC GATING DEVICES NOTE: Absorption of radiation at one wavelength or range of wavelengths and its re-emission as radiation of longer, visible wavelengths
BT LUMINESCENCE
NT X RAY FLUORESCENCE
RT DVE RELEASES
FLUORESCEIN FLUORESCENCE 1 2 FLUIDICS FLUERICS FLUIDIC CIRCUITS FLUIDONICS RT AMPLIFICATION
FLUIDIC AMPLIFIERS
-- FLUIDIC DEVICES
-- FLUID MECHANICS
FLUID POWER FLUORESCEIN FLUOROMETRY FLUOROSCOPES MOSSBAUER EFFECT HYDRAULIC CONTROL -- PIGMENTS -- SPECTROSCOPY -- TRACERS FLUIDIZATION 3
use FLUIDIZING FLUORESCENT DYES 1 FLUIDIZING BT DYES NT PONTACYL BRILLIANT PINK URANIN UF FLUIDIZATION RT AERATION RT DYE DISPERSION DYE RELEASES FLUIDONICS use FLUIDICS ESTUARY MODELS -- TIDAL MODELS FLUIDS NT-- AIR -- GASES FLUORIDATION RT FLUORIDES
PUBLIC HEALTH
WATER PURIFICATION
--WATER TREATMENT -- GROUNDWATER OILS -- VAPORS -- WATER -- WATER
WATER VAPOR
RT-- FLOW
-- FLUID MECHANICS
HYDPAULIC LABORATORIES
-- HYDRAULICS FLUORIDES RT FLUORIDATION FLUORINE 2 3 RT-- WATER CHEMISTRY

HYDRODYNAMICS

FLUOROMETERS 7 NOTE: Devices for measuring the intensity of fluorescence RT-CHEMICAL ANALYSIS FLUOROMETRY 1 RT FLUORESCENCE FLUOROSCOPES FLUOROSCOPES RT FLUORESCENCE FLUOROMETRY -- NONDESTRUCTIVE TESTS
-- RADIOGRAPHY FI.UTTER TT AERODYNAMIC STABILITY
AEROELASTICITY
FLIGHT CHARACTERISTICS
-- VIBRATIONS FLUVIAL DEPOSITS 1 2 use ALLUVIUM FLUVIAL HYDRAULICS 1
UF RIVER HYDRAULICS
BT FLUID MECHANICS
HYDRAULICS RT FLOOD PLAINS -- FLOODS -- FLUID FLOW -- OPEN CHANNELS -- OPEN CHANNELS
RIVER FORECASTING
-- RIVER REGULATION
RIVER TRAINING
-- RUNOFF
-- STREAM FLOW FLUVIAL MODELS 1
use HYDRAULIC MODELS
MOVABLE BED MODELS FLUVIAL MORPHOLOGY 1 UF MORPHOLOGY (STREAMS) NT STREAM DRAINAGE PATTERNS RT ALLUVIAL STREAMS CHANNEL MORPHOLOGY DELTAS -- EROSION ESTUARIES FLOOD PLAINS
-- GEOMORPHOLOGY
LACUSTRINE DEPOSITS
MEANDERS POTAMOLOGY RIVER SYSTEMS -- RIVERS -- STREAMS TRIBUTARIES FLUVIAL OUTWASH 1 2 use ALLUVIUM FLY ASH 2 3 4 5 7
NOTE: Finely divided residue
resulting from the combustion
of ground or powdered coal
UF FUEL ASH
COAL ASH
RT--ADDITIVES -- ADMIXTURES
AIR POLLUTION AIRBORNE WASTES
CHEMICAL SOIL STABILIZATION
-- CONCRETE ADMIXTURES
-- EMISSIONS -- EMISSIONS
-- LIGHTWEIGHT AGGREGATES
LIME FLY ASH
LIME SOIL STABILIZATION
MASS CONCRETE

MINERAL ADMIXTURES PARTICULATES

POZZOLAN CEMENTS
-- POZZOLANS

SMOKE SOIL CEMENT FLY ASH CEMENTS 3
use POZZOLAN CEMENTS FLYING PLATFORMS 2 4 JYING PLATFORMS 2 4
BT AIRCRAFT
RT AIR CUSHION VEHICLES
-- MILITARY AIRCRAFT
RECONNAISSANCE AIRCRAFT
VERTICAL TAKEOFF AND LANDING AIRCRAFT FLYWAYS 7 NOTE: Routes along which birds customarily migrate between their breeding grounds and wintering areas RT-BIRDS MIGRATION FOAM 1 RT BUBBLES FOAM CONCRETE 3 4
use CELLULAR CONCRETES FOAM PLASTICS 2 3 use CELLULAR PLASTICS FOAMING AGENTS 3
RT--ADMIXTURES
AIR ENTHAINING AGENTS
ALUMINUM POWDER
BUBBLES
CELLULAR CONCRETES
--CELLULAR MATERIALS
--CONCRETE ADMIXTURES
DETERGENTS
FYPANDING AGENTS DETENGENTS
EXPANDING AGENTS
FOAMS
GAS FORMING AGENTS
- GROUTS
INSULATING CONCRETES
- POROUS MATERIALS SOAPS SURFACTANTS FOAMS 3 6
NT SYNTACTIC FOAMS
RT--CELLULAR MATERIALS FOAMING AGENTS OG 1 5 7
UF HAZE
BT METEOROLOGICAL FACTORS
NT ICE FOG
RT AEROSOLS
METEOROLOGICAL DATA FOG METEOROLOGY OPTICAL DENSITY PARTICULATES -- PRECIPITATION (METEOROLOGY) VISIBILITY WEATHER FOGGING 7
NOTE: Application of a pesticide
by rapidly heating the liquid
chemical, thus forming very fine
droplets with the appearance of smoke
RT ENTRAINMENT
-- PEST CONTROL
-- VA PORIZING FOIL DOSIMETERS 4
BT MEASURING INSTRUMENTS
RADIATION MEASURING INSTRUMENTS FOIL SAMPLERS 2 use SWEDISH FOIL SAMPLERS

POOTINGS (Con.)
RT-BEAMS (SUPPORTS)
--BEARING CAPACITY
--COLUMNS (SUPPORTS)
--CONCRETE SLABS
ELASTIC FOUNDATIONS
FLEXIBLE FOUNDATIONS
FOOTING ROTATIONS
MACHINE FOUNDATIONS
--PENETROMETERS
--PILES (SUPPORTS)
--PILES FOLDED PLATES 3
BT STRUCTURAL FORMS
NT CONCRETE FOLDED PLATES
RT--PLATES (STRUCTURAL MEMBERS) ROOFS -- SHELLS (STRUCTURAL FORMS) FOLDS AND FOLDING (GEOLOGY)
BT GEOLOGIC STRUCTURES
NT ANTICLINES
BASINS (GEOLOGY)
--DOMES (GEOLOGY)
MONOCLINES
SYNCTURE -- PILES PLATE BEARING TESTS RIGID FOUNDATIONS MONOCLINES
SYNCLINES
RT BENDING STRESS
-- DIASTROPHISM
FAULTS AND FAULTING (GEOLOGY)
PISSURES
PISSURES -- SLABS
-- STRUCTURAL MEMBERS
-- SUPPORTS -- WALLS GEANTICLINES GEOSYNCLINES FOOTSTEPS 6 RT HUMAN LOCOMOTION OROGENY TECTONICS
THRUSTS AND THRUSTING
(GEOLOGY) FORAMINI FERA NOTE: Primitive and very small jelly-like organisms having a calcareous shell RT CORAL FOLIATION (GEOLOGY) 2
RT BEDDING PLANES
JOINTS AND JOINTING (GEOLOGY)
--METAMORPHIC ROCKS
ROCK CLASSIFICATION -- LIMESTONES MARINE DEPOSITS -- STRATIFICATION RT-LOADS (FORCES)
-- PRESSURE FOOD CHAINS NOTE: Dependence for food of STRAINS organisms upon others in a series
BALANCE OF NATURE
BIOLOGICAL COMMUNITIES FORCES (TRACTIVE) use TRACTIVE PORCES BIOLOGY
CARNIVORES
CYCLING NUTRIENTS
-- ECOLOGY FORDABILITY 5
use STREAM CROSSINGS FOREBAY DAMS 1 RT AFTERBAYS
HYDROELECTRIC POWER
PUMPING STATIONS -- ECOSYSTEMS ENDANGERED SPECIES -- ENERGY BUDGET HERBIVORES HEMBIVORES
OMNIVORES
- POPULATIONS
PREDATION
PRIMARY PRODUCTIVITY
- PRODUCTIVITY
SECONDARY PRODUCTIVITY
TROPHIC LEVEL
WILDLIFE POREBAYS 1
NOTE: Small reservoirs of ponds
located at the head of penstocks
or pipelines
BT IMPOUNDMENTS RESERVOIRS
T DETENTION RESERVOIRS
EQUILIZING RESERVOIRS
HYDROELECTRIC POWER
-- INTAKE STRUCTURES
-- INTAKES FOOD WEB 7 use FOOD CHAINS FOOTING FOUNDATIONS -- LAKES PENSTOCKS use FOOTINGS PONDS PUMPED STORAGE FOOTING ROTATIONS RT ALLOWABLE SETTLEMENT DIFFERENTIAL SETTLEMENT STANDING WATERS PORECASTING 1 5 6

UF PORECASTS
PREDICTING

NT PLOOD PORECASTING
RIVER PORECASTING
RUNOFF PORECASTING
STREAMFLOW PORECASTING
TECHNOLOGICAL PORECASTING
-- WATER SUPPLY PORECASTING
WATER WAVE PORECASTING
WEATHER PORECASTING
BUDGETING
CORRELATION ECCENTRIC LOADS FOUNDATION CONDITIONS
FOUNDATION FAILURES
- FOUNDATION SETTLEMENT NGS 2 3 5
FOOTING POUNDATIONS
GROUP ACTION (POCTINGS)
SPREAD FOOTINGS
FOUNDATIONS
SHALLOW FOUNDATIONS
CANTILEVER POOTINGS
CIRCULAR FOOTINGS
COLUMN FOOTINGS
COMBINED FOOTINGS CORRELATION
COST CONTROL
CRITICAL PATH METHOD
CURVE FITTING
ECONOMIC ANALYSIS
ECONOMIC FACTORS COMBINED FOOTINGS CONTINUOUS FOOTINGS GRILLAGE FOOTINGS RECTANGULAR FOOTINGS ESTIMATES EVALUATION FREQUENCY CURVES LOW- FLOW AUGMENTATION SQUARE FOOTINGS TRAPEZOIDAL FOOTINGS MANAGEMEN -- MATHEMATICAL MODELS

FORECASTING (Con.)
-- MEASUREMENT
-- OPERATIONS RESEARCH
-- PLANNING FORESTS (Con.)
FORESTRY
-- FORESTRY VEHICLES
LAND RESOURCES LAND USE
NATIONAL PARKS
-- NATURAL RESOURCES
-- PLANTS (BOTANY)
-- SUCCESSION PREDICTIONS
PROBABILITY THEORY
PROJECT PLANNING
RECRESSION ANALYSIS RELIABILITY
-- SAMPLING TERRESTRIAL HABITATS SCHEDULING STATISTICAL ANALYSIS -- TREES VEGETATION SYSTEMS ENGINEERING TIME SERIES ANALYSIS -- WARNING SYSTEMS -- WATER SUPPLY VEGETATION CLASSIFICATION VEGETATION DESCRIPTIONS -- VEGETATION FACTORS
VEGETATION MAPPING
-- VEGETATION STRUCTURE
VEGETATIVE COVER FORECASTS 1 5 6 use FORECASTING FORK LIFT TRUCKS FOREST MANAGEMENT 7
BT MANAGEMENT
RT AFFORESTATION
BROWSE UTILIZATION
CARRYING CAPACITY
-- CONSERVATION CARGO VEHICLES LIGHT UTILITY VEHICLES LOADERS TRUCKS RT ELECTRIC VEHICLES
INDUSTRIAL VEHICLES
-- MILITARY VEHICLES FERTILIZATION FORESTRY FORM ANCHORS 2 3

NOTE: Devices used to secure
formwork to previously placed
concrete of adequate strength
BT ANCHORS (STRUCTURES)
RT ANCHOR BOLTS RANGES -- RECREATION REFORESTATION
- RESOURCE CONSERVATION
WATERSHED MANAGEMENT
WILDLIFE CONSERVATION ARCH DAM CONSTRUCTION -- CONCRETE DAMS FORESTRY 5 7
NOTE: Science and art of forming, caring for, or cultivating forests
UF DENDROLOGY
RT AFFORESTATION
AGRICULTURE
AGRICULTURE
AGRICULTURAL ENGINEERING
-- CONSERVATION
CROWN CHARACTERISTICS FORM LINERS 3 RT VACUUM FORMING FORM OILS use PARTING AGENTS use FORMWORK (CONSTRUCTION)
PRESSURE FORM PRESSURE CROWN CHARACTERISTICS (VEGETATION) DECIDUOUS TREES FOREST MANAGEMENT FORM REMOVAL 3 BT FORMWORK (CONSTRUCTION) -- FORESTRY VEHICLES
-- FORESTS
RAIN FORESTS
REFORESTATION FORM RESISTANCE (HYDRAULICS)
UF HYDRAULIC FORM RESISTANCE -- TREES FLOW AROUND OBJECTS VEGETATION FORMING TECHNIQUES 3
NT VACUUM FORMING
RT VIERATORY COMPACTION VEGETATION CLASSIFICATION
-- VEGETATION DESCRIPTIONS
-- VEGETATION PACTORS
-- VEGETATION STRUCTURE FORMWORK (CONSTRUCTION) 3 4

UF CONCRETE FORMS
FORM PRESSURE
SHUTTERING
NT FORM REMOVAL
METAL DECK FORMS
SLIP FORM CONSTRUCTION
RT-CONCRETE CONSTRUCTION
CONCRETE FAILURE
CONCRETE STRUCTURES FAILURE
FALSEWORK VEGETATIVE COVER FORESTRY VEHICLES NT LOGGING VEHICLES
SKIDDERS (VEHICLES)
RT AGRICULTURAL VEHICLES
--ARTICULATED VEHICLES
ELECTRIC VEHICLES
FORESTRY FORESTRY
-- FORESTS
-- LAND CLEARING VEHICLES
-- LIGHT UTILITY VEHICLES
-- OFF ROAD VEHICLES
-- SNOW VEHICLES
SNOWMOBILES
-- TRACKED VEHICLES
TREE CRUSHERS
-- TRUCKS FALSEWORK PLASTIC FORMS SHORING SURFACE DEFECTS (CONCRETE) FORTIFICATIONS 2 4 6
BT MILITARY FACILITIES
NT FIELD FORTIFICATION
RT BARRIERS
BUNKERS (FORTIFICATIONS)
COAST DEFENSES (MILITARY)
HARDEMED INSTALLATIONS
MILITARY ENGINEERING -- TRUCKS -- WHEELED VEHICLES ORESTS 5 7
UF DENDROLOGY
NT RAIN FORESTS
RT ASSOCIATION
CANOPY
CROWN CHARACTERISTICS
(VEGETATION) FORESTS PROTECTIVE STRUCTURES -- SHELTERS TARGET VULNERABILITY FORTRAN (COMPUTER PROGRAM LANGUAGE) 5 6 BT PROGRAMMING LANGUAGES RT COMPUTER PROGRAMS

FORTREL (TRADEMARK) ase POLYESTER FIBERS OSSIL FUELS 7
MOTE: Coal, oil and natural gas;
so-called because they are derived from the remains of ancient plant and animal life
NT PEAT
RT NATURAL GAS FOSSIL FUELS **FOSSILS** RT GEOCHRONOLOGY
GEOLOGIC TIME SCALE
--GEOLOGICAL DEPOSITS
HISTORICAL GEOLOGY -- PALEONTOLOGY
-- SEDIMENTARY ROCKS -- SEDIMENTATION FOUNDATION BEARING CAPACITY
USE BEARING CAPACITY FOUNDATION CONDITIONS RT-BEARING CAPACITY
DIFFERENTIAL SETTLEMENT FOOTING ROTATIONS
FOUNDATION DESIGN
FOUNDATION FAILURES
FOUNDATION SETTLEMENT FROST PENETRATION GROUNDWATER ELEVATION SUBSURFACE SOILS FOUNDATION CONSTRUCTION 2 BT CONSTRUCTION BT CONSTRUCTION
NT FLOATING FOUNDATION CONSTRUCTION MAT FOUNDATION CONSTRUCTION FILE FOUNDATION CONSTRUCTION RT-- BRACINGS -- CAISSONS -- COFFERDAMS
DAM FOUNDATION PREPARATION DAM FOUNDATION PREPARATION
DEWATERING
-- EARTH HANDLING EQUIPMENT
EARTHWORK
-- EXCAVATION
FOUNDATION DEPTH
-- FOUNDATION DESIGN
FOUNDATION GROUTING
FOUNDATION JACKS
BELWEDGED CONCORTE REINFORCED CONCRETE UNDERPINNING
UPLIFT PRESSURE
--WATERPROOFING (FOUNDATIONS) FOUNDATION DEPTH 2
RT ACTIVE FROST ZONE
--BEARING CAPACITY
DEPTH FACTOR (SOILS)
--FOUNDATION CONSTRUCTION
--FOUNDATION DESIGN
FOUNDATION INVESTIGATIONS
FROST PENETRATION
GROUNDWATER ELEVATION GROUNDWATER ELEVATION
-- SUBSURFACE EXPLORATION OUNDATION DESIGN 2
BT DESIGN
TOESIGN
NT FLOATING POUNDATION DESIGN
MAT FOUNDATION DESIGN
PILE POUNDATION DESIGN
RT ALLOWABLE BEARING CAPACITY
BEARING CAPACITY
BENDING STRESS
BENDING STRESS
ELASTIC FOUNDATIONS
PLEXIBLE POUNDATIONS
POUNDATION CONDITIONS
-POUNDATION CONDITIONS
-POUNDATION CONSTRUCTION
FOUNDATION DEPTH
FOUNDATION INVESTIGATIONS
FOUNDATION STABILITY ANALYSIS
RIGID FOUNDATIONS
-STRUCTURAL DESIGN FOUNDATION DESIGN

-- STRUCTURAL DESIGN

FOUNDATION EXPLORATIONS 1 2
use FOUNDATION INVESTIGATIONS FOUNDATION FAILURES 1 2 3 4 BT FAILURES RT ALLOWABLE LOADS ALLOWABLE SETTLEMENT
- BEARING CAFACITY
BENDING MOMENTS
BENDING STRESS
BRIGGE FAILURES
- DAM FAILURES DIFFERENTIAL SETTLEMENT
-- FLEXURAL STRENGTH FOOTING ROTATIONS
FOUNDATION CONDITIONS
FOUNDATION PERFORMANCE
FOUNDATION SETTLEMENT
FOUNDATION STABILITY ANALYSIS
FOUNDATION VIBRATIONS - FOUNDATION VIBRATIONS
- FOUNDATIONS
MAT FOUNDATION PERFORMANCE
SETTLEMENT RECORDS
- SOIL STRENGTH ULTIMATE LOADS FOUNDATION GROUTING 2 3
BT GROUTING
RT-- FOUNDATION CONSTRUCTION
-- FOUNDATIONS -- WATERPROOFING (FOUNDATIONS) FOUNDATION INVESTIGATIONS 1
UF FOUNDATION EXPLORATIONS
RT BOREHOLES -- BORING -- DRILLING
EXPLORATORY PITS
EXPLORATORY TRENCHES
EXPLORATORY WELLS -- FIELD SOIL PENETRATION TESTS
-- FIELD TESTS FOUNDATION DEPTH FOUNDATION DESIGN - FOUNDATION DESIGN
- FOUNDATIONS
- ROCK TESTS (LABORATORY)
SEISMIC INVESTIGATIONS
- SOIL TESTS (LABORATORY)
- SUBSURFACE EXPLORATION
TEST HOLES TEST HOLES FOUNDATION JACKS DIVIDITION ACCS 2
BT JACKS
RT- FOUNDATION CONSTRUCTION
HYDRAULIC JACKS
MECHANICAL JACKS
UNDERPINNING FOUNDATION PERFORMANCE 2

NT MAT FOUNDATION PERFORMANCE
PILE FOUNDATION PERFORMANCE
RT DIFFERENTIAL SETTLEMENT
FOUNDATION FAILURES
FOUNDATION SETTLEMENT
FOUNDATION STABILITY ANALYSIS FOUNDATION PIEZOMETERS 2 BT MEASURING INSTRUMENTS PIEZOMETERS PRESSURE GAGES RT- - FOUNDATIONS FOUNDATION PREPARATION (DAMS)
use DAM FOUNDATION PREPARATION FOUNDATION PRESSURES 2
RT--BEARING CAPACITY
FOUNDATION SETTLEMENT
FOUNDATION STABILITY ANALYSIS
PRESSURE DISTRIBUTION POUNDATION SETTLEMENT 2
BT DEFORMATION
SETTLEMENT
RT COMPRESSIVE STRENGTH (SOILS)

FOUNDATION SETTLEMENT (Con.)

--CONSOLIDATION (SOILS)

DIFFERENTIAL SETTLEMENT
FOOTING ROTATIONS
FOUNDATION CONDITIONS
FOUNDATION FAILURES

-FOUNDATION PERFORMANCE
FOUNDATION PRESSURES
FOUNDATION STABILITY ANALYSIS
--FOUNDATIONS FOUNDATIONS MAT FOUNDATION PERFORMANCE SETTLEMENT ANALYSIS - SOIL DEFORMATION FOUNDATION STABILITY ANALYSIS 2
UF STABILITY ANALYSIS (FOUNDATIONS)
RT-FOUNDATION DESIGN
FOUNDATION FAILURES
-FOUNDATION PERFORMANCE
FOUNDATION PRESSURES
FOUNDATION SETTLEMENT
SOLL STABILITY SOIL STABILITY FOUNDATION VIBRATIONS BT VIBRATIONS BT VIBRATIONS
RT--DYNAMIC BEARING CAPACITY
--DYNAMIC LOADS
FOUNDATION FAILURES
--FOUNDATIONS POUNDATIONS
HORIZONTAL OSCILLATIONS
MACHINE FOUNDATIONS
SOIL DYNAMICS
SURFACE VIBRATOR TESTS
TORSIONAL OSCILLATIONS
VERTICAL OSCILLATIONS
VIBRATION DAMPING
VIBRATION SUPPRESSORS
VIBRATORY LOADS
WEAPON FOUNDATIONS BRIDGE FOUNDATIONS
CAISSON FOUNDATIONS
CAISSON FOUNDATIONS
CANTILEVER FOOTINGS
CIRCULAR FOOTINGS
CCUMIN FOOTINGS
COMBINED FOOTINGS
COMBINED FOOTINGS
COMTINUOUS FOOTINGS
DAM FOUNDATIONS
DELED FOUNDATIONS
DRILLED PIER FOUNDATIONS
ELASTIC FOUNDATIONS
EMBANKMENT FOUNDATIONS
END BEARING PILE FOUNDATIONS
FLOATING FOUNDATIONS
FLOATING FOUNDATIONS
FLOATING FOUNDATIONS FOUNDATIONS FLOATING FOUNDATIONS
-- FOOTINGS
FRICTION PILE FOUNDATIONS
GRILLAGE FOOTINGS
LEVEE FOUNDATIONS
MACHINE FOUNDATIONS
MAT FOUNDATIONS
OFFSHORE PILE FOUNDATIONS
-- PILE FOUNDATIONS
PRESTRESSED FOUNDATIONS
RECTANGULAR FOOTINGS
RIGID FOUNDATIONS
-- SHALLOW FOUNDATIONS
SQUARE FOOTINGS
STORAGE TANK FOUNDATIONS
TOWER FOUNDATIONS
TRAPEZOIDAL FOOTINGS
UNDERWATER FOUNDATIONS
TRAPEZOIDAL FOOTINGS
UNDERWATER FOUNDATIONS
TEAPEZOIDAL FOOTINGS
UNDERWATER FOUNDATIONS
TEAPEZOIDAL FOOTINGS
UNDERWATER FOUNDATIONS
TEAPEZOIDAL FOOTINGS
UNDERWATER FOUNDATIONS
-- BEAMS (SUPPORTS)
-- BEAMS (SUPPORTS)
-- BEAMS (SUPPORTS)
-- BEAMS CAPACITY
BUILDING CODES
-- BUILDINGS
-- CAISSONS
-- CONCRETE PILES
-- EXCAVATION FOOTINGS -- CONCRETE PILES
-- EXCAVATION
FOUNDATION FAILURES

FOUNDATIONS (Con.)
FOUNDATION GROUTING
FOUNDATION INVESTIGATIONS
FOUNDATION PIEZOMETERS
FOUNDATION SETTLEMENT
FOUNDATION VIBRATIONS GRADE BEAMS -- GROUTING JACKING
--LOADS (FORCES)
PILE DRIVING
--PILES ROCK MECHANICS SAND BOILS SEEPAGE CONTROL SHORING -- SOIL MECHANICS -- STRUCTURAL MEMBERS SUBGRADES -- SUPPORTS TIE BEAMS UNDERPINNING UPLIFT PRESSURE FOUR WHEEL DRIVES 5
BT DRIVE SYSTEMS
RT ELECTRIC DRIVES
FRONT WHEEL DRIVES
HYDRAULIC DRIVES
POWER WHEELS ER ANALYSIS 1 2 3 5 6
NUMERICAL ANALYSIS
REAL VARIABLES
FOURIER INTEGRALS
PERIODIC FUNCTIONS
CALCULUS FOURIER ANALYSIS RT-- CALCULUS
-- DIFFERENTIAL EQUATIONS FOURIER SERIES
FOURIER TRANSFORMATION
HARMONIC ANALYSIS
INFORMATION THEORY MICROMETION THEORY
MICROGEOMETRY
OPERATIONAL CALCULUS
TIME SERIES ANALYSIS
VIBRATION EPFECTS (VEHICLES)
--WAVE PROPAGATION
WAVEFORMS FOURIER INTEGRALS BT FOURIER ANALYSIS
REAL VARIABLES
RT FOURIER TRANSFORMATION FOURIER SERIES 1 2 3 6 BT INFINITE SERIES
REAL VARIABLES
RT FOURIER ANALYSIS
FOURIER TRANSFORMATION
-- NUMERICAL ANALYSIS FOURIER TRANSFORMATION 1 2 3 6
BT FUNCTIONAL ANALYSIS
FUNCTIONS (MATHEMATICS)
INTEGRAL TRANSFORMATIONS
TRANSFORMATIONS (MATHEMATICS)
RT FOURIER ANALYSIS
FOURIER INTEGRALS
FOURIER SERIES
-- NUMERICAL ANALYSIS
TIME SERIES ANALYSIS FOURNEYRON TURBINES BT HYDRAULIC TURBINES REACTION TURBINES RT BOYDON TURBINES FRACTIONATION 7
USe DISTILLATION

FRACTURE MECHANICS

RT BEND TESTS

1 2 3 4 6

FRAGMENTATION (Con.)
-- EXPLOSION EFFECTS
FRACTURE OF SOLIDS FRACTURE MECHANICS (Con.) BRITTLE FAILURE BRITTLENESS BRITTLENESS
CLEAVAGE STRENGTH (ROCK)
-- CRACKING (FRACTURING)
FRACTURE OF SOLIDS
-- FRACTURE PROPERTIES
GRIFFITHS FAILURE THEORY
-- MECHANICAL PROPERTIES
ROCK FRACTURE
ROCK MECHANICS
BOOK STRENGTH FRACTURING
-- FROST ACTION
-- MECHANICAL PROPERTIES
SPALLING WEATHERING (GEOLOGY) FRAGMENTATION AMMUNITION 4
BT AMMUNITION
NT FRAGMENTATION BOMBS
RT GRENADES - ROCK STRENGTH -- TENSION -- GUNS (ORDNANCE) LAND MINES FRACTURE OF SOLIDS 1 2 3 4 6
RT BRITTLE FAILURE
BRITTLENESS
CLEAVAGE STRENGTH (ROCK)
--COMPRESSIVE STRENGTH
COMPRESSIVE STRENGTH
(ROCK)
--CRACKING (FRACTURING)
CRUSHING OF ROCKS
FATIGUE (MATERIALS)
FRACTURE MECHANICS
--FRACTURE PROPERTIES
FRACTURES AND FRACTURING
(GEOLOGY) SHRAPNEL WEAPON FRAGMENTATION FRAGMENTATION BOMBS 4
BT AMMUNITION
BOMBS (ORDNANCE)
FRAGMENTATION AMMUNITION
RT WEAPON FRAGMENTATION FRAME ANALYSIS RAME ANALYSIS 3 4 use Structural Analysis FRAME WAVES 2 4
use WAVES IN POROUS MEDIA (GEOLOGY) -- FRAGMENTATION GRIFFITHS FAILURE THEORY -- HARDNESS
HARDNESS TESTS
-- MECHANICAL PROPERTIES
ROCK FRACTURE FRAMED STRUCTURES BT STRUCTURAL FORMS NT RIGID FRAMES RT-- ARCHES -- FRAMES -- SOLIDS TRUSSES FRACTURE PROPERTIES 3 4 ACTURE PROPERTIES 3 4
NT BRITTLENESS
RT--COMPRESSIVE PROPERTIES
--COMPRESSIVE STRENGTH
PATIGUE (MATERIALS)
FRACTURE MECHANICS
FRACTURE OF SOLIDS
--HARDNESS FRAMES AAMES 3
BT STRUCTURAL FORMS
NT BEAM COLUMN FRAMES
--RIGID FRAMES
--RI-CONCRETE CONSTRUCTION
--FRAMED STRUCTURES HARDNESS SUPPORTS -- MECHANICAL PROPERTIES FRANCIS TURBINES 1
NOTE: Type of reaction turbine
BT HYDRAULIC TURBINES
MIXED FLOW TURBINES
REACTION TURBINES
RT--PUMP TURBINES SHEAR MODULUS
-- TENSILE PROPERTIES
-- TENSILE STRENGTH FRACTURES AND FRACTURING (GEOLOGY) 2
BT GEOLOGIC STRUCTURES
RT--CRACKING (FRACTURING)
--DIASTROPHISM FRANKI PILES (CASED) 2
BT CASED PILES
CASET IN PLACE PILES
CONCRETE PILES
CONCRETE PRODUCTS DISCONTINUITIES (STRUCTURAL DISCONTINUITIES (STRUCTURAL GEOLOGY)
FAULTS AND FAULTING (GEOLOGY)
FISSURES
FRACTURE OF SOLIDS
JOINTS AND JOINTING (GEOLOGY)
ROCK FRAGMENTATION
TECTORIUS PILES BULB PILES
FRANKI PILES (UNCASED)
RAYMOND PILES
WESTERN PILES (CASED) THRUSTS AND THRUSTING (GEOLOGY) WEATHERING (GEOLOGY) FRANKI PILES (UNCASED) 2 3
BT CAST IN-PLACE PILES
CONCRETE PILES
CONCRETE PRODUCTS PRACTURING ACTURING 1 3 4 RT-- FRAGMENTATION PILES
UNCASED PILES
RT AUGERED CONCRETE PILES
-- BORED FILES
BULB PILES
FRANKI PILES (CASED)
WESTERN PILES (UNCASED) PILES PRESPLITTING (BLASTING)
ROCK FRACTURE
SPALLING SPLITTING FRACTURING MATERIALS FRAGMENTATION 1 2 3 4
NT ROCK FRAGMENTATION
WEAPON FRAGMENTATION FRAZIL ICE UF ICE ON RIVERS, LAKES, ETC. BT ICE RT-CANALS
-- FLOATING ICE
ICE COVER
SLUSH ABRASION T ABRASION
AGING
--CHEMICAL ATTACK
--COMMINUTION
CRACKING (FRACTURING)
DECOMPOSITION
DISINTEGRATION -- STREAM FLOW TURBULENCE FREE FIELD MOTION RT EARTHQUAKES

FREE FIELD MOTION (Con.)
--EXPLOSION EFFECTS
-- GROUND MOTION
--SEISMIC WAVES

FREE FLOW 1
NOTE: Flow through or over a structure where it is not affected by submergence or the existence of tail water
RT CRITICAL VELOCITY
TUNNEL HYDRAULICS

FREE MOLECULE FLOW 1
NOTE: Knudsen number greater than
10.0; excludes slip flow and
transition flow
BT FLUID FLOW
GAS FLOW
MOLECULAR FLOW
RT SLIP FLOW

FREE PISTON SAMPLERS 2
BT DRIVE SAMPLERS
PISTON SAMPLERS
SAMPLERS
SOIL SAMPLERS
FIXED PISTON SAMPLERS
HYDRAULIC PISTON SAMPLERS
SHORT PISTON SAMPLERS

TRANSITION FLOW

FREE SURFACE VORTEX 1
BT VORTICES

FREE SURFACES 1
BT BOUNDARIES (SURFACES)
RT AIR-WATER INTERFACES
-- FLOW
OPEN CHANNEL FLOW
-- OPEN CHANNELS

FREE TURN STEERING 5

FREE WATER 1 2 use GROUNDWATER

RT BANK EROSION CANAL DESIGN

FREEBOARD

- DAM DESIGN
- DAMS
ENTRANCE CHANNELS
FETCH
FLASHBOARDS
FLOOD WAVES
- OUTLET WORKS
OVERFLOW
RESERVOIR DESIGN
- REVETMENT
- RIPRAP
- SPILLWAYS
- WATER WAVE ACTION

-- WATER WAVE ACTION
WATER WAVE HEIGHT
WATER WAVE RUN-UP
WATER WAVE SUPPRESSORS
-- WATER WAVES

FREEWATER ELEVATION 1 2
use GROUNDWATER ELEVATION

FREEWATER SURFACE 1 2
use GROUNDWATER ELEVATION

FREEWAYS 3
BT EXPRESSWAYS
HIGHWAYS
ROADS
RT TOLL ROADS

FREEZE-THAW 5
RT FREEZE-THAW TESTS
-- FREEZING
PREEZING INDEX
FROST SUSCEPTIBLE SOILS

FREEZE-THAW (Con.)
FROZEN SOILS
PERMAFROST
SOIL TEMPERATURE
TEMPERATURE EFFECTS
THAWING

FREEZE-THAW DURABILITY 3
NOTE: Pertains to concrete
BT CONCRETE DURABILITY
RT CONCRETE FREEZING AND
THAWING
DEICERS
FREEZE-THAW TESTS
FROST
ICE FORMATION
SCALING (CONCRETE)
SONIC TESTS
THAWING
WEATHERING (CONCRETE)

PREEZE-THAW TESTS 1 2 3 5
RT--AGGREGATE TESTS
ARTIFICIAL PREEZING
--CONCRETE DURABILITY
CONCRETE FREEZING AND THAWING
--CONCRETE TESTS
DILATION TESTS
DRY ICE
DURABILITY TESTS
PREEZE-THAW
FREEZE-THAW DURABILITY

FREEZE-THAW DURABILITY
- FREEZING
MELTING POINTS
PIPE TESTS
ROCK DURABILITY
SCALING RESISTANCE TESTS
SOIL FREEZING TESTS
SOUNDNESS TESTS
THAWING
THERMODYNAMICS

FREEZING 1 2 3 5

NT ARTIFICIAL PREEZING
FLASH FREEZING
RT CRYOGENICS
CRYSTALLIZATION
DESALTING PROCESSES
PREEZE- THAW
FREEZE- THAW
FREEZE- THAW
FREEZE- THAW
FROST
-- FROST ACTION

PROZEN SOILS
HAIL
-ICE
ICE FORMATION
LIQUID NITROGEN
LOW THAMPERATURE
PERMAFROST
SLUSH
SNOW
THAWING

FREEZING INDEX 1 2 3 5 6

NOTE: Number of degree days between the highest and lowest points on the cumulative degree days - time curve for one freezing season

RT AIR TEMPERATURE

DEGREE DAYS

DEGREE DAYS
PREEZE THAW
-- FREEZING
PROST SUSCEPTIBLE SOILS
METEOROLOGICAL DATA
-- METEOROLOGICAL FACTORS
SOIL TEMPERATURE
-- TEMPERATURE

FREIGHT TERMINALS 4
BT TERMINAL FACILITIES
RT MARINE TERMINALS
RAILROAD TERMINALS

FRENCH DRAINS 1 2

FREQUENCY 1 2 4 6
NT CRITICAL PREQUENCY
LIGHT PREQUENCIES
NATURAL PREQUENCY
RADIO PREQUENCIES
RESONANT PREQUENCY
RT-- ACOUSTIC PROPERTIES -- ACOUSTICS AMPLITUDE AMPLITUDE
DEPTH-AREA CURVES
DISTRIBUTION PATTERNS
PLOW DURATION CURVES
PREQUENCY ANALYSIS
PREQUENCY CURVES
PREQUENCY DISTRIBUTION
PREQUENCY METERS
OSCILLATIONS
OSCILLATIONS OSCILLATORS SEICHES -- SURGES SYNOPTIC ANALYSIS -- VIBRATION THEORY -- VIBRATIONS -- VIBRATIONS
VIBRATORY INVESTIGATIONS
WATER WAVE CELERITY
WATER WAVELENGTH
-- WATER WAVES WAVE VELOCITY WAVELENGTHS -- WAVES FREQUENCY ANALYSIS 1 2 3 5 6
BT NUMERICAL ANALYSIS
STATISTICAL ANALYSIS
RT FLOW DURATION CURVES
-- FREQUENCY
FREQUENCY CURVES
FREQUENCY CURVES
FREQUENCY SPECTRUM ANALYSIS
LEAST SQUARES METHOD
STATISTICAL DISTRIBUTIONS
STATISTICAL QUALITY CONTROL
TIME SERIES ANALYSIS FREQUENCY CURVES 1 6
BT CURVES
RT FLOW DURATION CURVES
-- FORECASTING -- FREQUENCY
FREQUENCY ANALYSIS
HYDROLOGIC DATA
PEAK DISCHARGE -- RUNOFF FREQUENCY DISTRIBUTION 1 6
NT GAUSSIAN DISTRIBUTION
RT FREQUENCY
HISTOGRAMS
--QUALITY CONTROL
STATISTICAL DISTRIBUTIONS FREQUENCY MEASUREMENT 6 BT MEASUREMENT RT FREQUENCY METERS FREQUENCY METERS 6
BT MEASURING INSTRUMENTS
RT--ELECTRIC MEASURING INSTRU-MENTS -- FREQUENCY FREQUENCY MEASUREMENT SEISMOMETERS

TACHOMETERS

TIME MEASUREMENT
VELOCITY MEASUREMENT
VIBRATION MEASUREMENT

CONCRETES
AIR ENTRAINMENT (CONCRETE)
BLEEDING (CONCRETE)

FREQUENCY SPECTRUM ANALYSIS
BT SPECTRUM ANALYSIS
RT FREQUENCY ANALYSIS

FRESH CONCRETES 3
UF FRESH MIXED CONCRETES
PLASTIC CONCRETES

FRESH CONCRETES (Con.)
CEMENT CONTENT
CONCRETE TEMPERATURE
CONCRETE VIBRATORS
CONCRETE WORKABILITY
CONSISTENCY (CONCRETE)
--CONSISTENCY TESTS
--RHEOLOGICAL PROPERTIES FRESH MIXED CONCRETES use FRESH CONCRETES FRESH WATER 1 7
NOTE: Water with less than
0.2 percent salinity
BT WATER
RT BRACKISH WATER
FARM PONDS
FRESH WATER MARSHES
-- GROUNDWATER -- LAKES
LIMNOLOGY
-- MELT WATER
-- PONDS POTABLE WATER RESERVOIRS -- RIVERS -- RUNNING WATERS -- SALT WATER
-- SPRINGS (WATER)
-- STREAMS
-- SURFACE WATERS WATER QUALITY
-- WETLANDS FFESHETS NOTE: Rapidly rising flood in a stream resulting from snowmelt or rainfall RT--FLOODS RAIN AND RAINFALL SNOWMELT FRESHWATER ALGAE
use AQUATIC ALGAE FRESHWATER BACTERIA
use AQUATIC BACTERIA FRESHWATER BIOLOGY
BT AQUATIC BIOLOGY
RT MARINE BIOLOGY FRESHWATER FISHES 7 BT AQUATIC ANIMALS FISHES VERTEBRATES CARP CATFISHES MINNOWS RT-- ANADROMOUS FISH CATADROMOUS FISH LIMNOLOGY ROUGH FISH SALMON TROUT WARM- WATER FISHES FRESHWATER MARSHES BT MARSHES WETLANDS RICTION 1 2 3 4 5 6
BT MECHANICAL PROPERTIES
NT EXTERNAL FRICTION
HYDRAULIC FRICTION
INTERNAL FRICTION
NEGATIVE SKIN FRICTION
PISTON FRICTION
FOSITIVE SKIN FRICTION
-SKIN FRICTION (PILES)
SURFACE FRICTION
WALL FRICTION (HYDRAULICS)
WALL FRICTION (SOILS)
AT ABRASION
AIR RESISTANCE RT FRESH WATER FRICTION

-- COHESION

FRICTION (Con.)
--ENERGY LOSSES
FRICTION COEFFICIENT
FRICTION RESISTANCE ST (Con.)
-- FREEZING
-- FROST ACTION
FROST PENETRATION
FROST PROTECTION
FROST RESISTANCE FROST LUBRICANTS FROST SUSCEPTIBILITY TESTS
FROST SUSCEPTIBLE SOILS LUBRICATION MOTION RESISTANCE
-- SHEAR STRENGTH
SKID RESISTANCE
SLIDING
SURFACE ROUGHNESS FROZEN SOILS ICE LENSES METEOROLOGICAL DATA METEOROLOGICAL FACTORS
-- METEOROLOGY TIRE-PAVEMENT INTERACTION TRACTION -- TRACTION DEVICES PERMAFROST PINGOS -- WEAR -- WEAR TESTS FROST ACTION 1 2 3 5
UF FROST BOILS
FROST HEAVING
HEAVING (FROST)
NT CONGELITURBATION
RT ACTIVE FROST ZONE
-- CRACKING (FRACTURING) FRICTION CIRCLE METHOD 2
BT EARTH PRESSURE THEORIES
GRAPHICAL METHODS SLOPE STABILITY ANALYSIS CRITICAL CIRCLE KREYS METHOD ROTATIONAL SLIDES -- DAMAGE WEDGE METHOD DISINTEGRATION FISSURES FRICTION COEFFICIENT 1 2 3 4 5
UF ANGLE OF FRICTION
COEFFICIENT OF FRICTION
COEFFICIENT OF KINETIC FRICTION
COEFFICIENT OF STATIC FRICTION
RT-BEARING CAPACITY
EXTERNAL FRICTION
-- FRICTION -- FRAGMENTATION
-- FREEZING FROST PROTECTION
FROST PROTECTION
FROST RESISTANCE
FROST SUSCEPTIBLE SOILS
FROZEN ROCKS -- FRICTION INTERNAL FRICTION RESISTANCE COEFFICIENT FROZEN ROCKS
FROZEN SOILS
-- ICE
ICE LENSES
ICE-WATER INTERPACES
PAYEMENT DEFLECTION
PAVEMENT DEFORMATION
PAVEMENT DETERIORATION
-- PAVEMENT FAILURES
-- PAVEMENT PERFORMANCE AND EVALUATION
PERMA PROST -- SOIL STRENGTH FRICTION PILE FOUNDATIONS 2
BT DEEP FOUNDATIONS
FOUNDATIONS
PILE FOUNDATIONS END BEARING PILE FOUNDATIONS FRICTION PILES PERMAFROST -- SKIN FRICTION (PILES) PERMAPROST
PUMPING OF PAVEMENTS
SOIL PREEZING TESTS
SOIL TEMPERATURE
SUBGRADE FAILURES
TEMPERATURE EFFECTS FRICTION PILES 2 UF FLOATING PILES UF FLOAT FILES
END BEARING PILES
FRICTION PILE FOUNDATIONS
NEGATIVE SKIN FRICTION
POSITIVE SKIN FRICTION THAWING
WEATHERING (CONCRETE)
WEATHERING (GEOLOGY) -- SKIN FRICTION (PILES) FROST BOILS 2 5 UPLIFT PILES FRICTION RESISTANCE 1 2 4
RT COEFFICIENT OF VISCOSITY
ENERGY ABSORPTION FROST HEAVING 2
use PROST ACTION -- FRICTION FROST MOUND
use PINGOS SURFACE ROUGHNESS (HYDRAULICS) SURFACE ROUGHNESS (PAVEMENTS) FROST PENETRATION 1 2
RT ACTIVE PROST ZONE
CONSTRUCTION IN PERMAPROST
POUNDATION CONDITIONS
FOUNDATION DEPTH VISCOSITY FRICTION RESISTANCE (PILES) use SKIN FRICTION (PILES) FROST ACTION FRONT END LOADERS use LOADERS FROZEN SOILS PERMAFROST FRONT WHEEL DRIVES BT DRIVE SYSTEMS PERMAPROST PROPERTIES PERMAPROST REGIONS SOIL TEMPERATURE ELECTRIC DRIVES FOUR WHEEL DRIVES HYDRAULIC DRIVES POWER WHEELS FROST PROTECTION 1 2 3 5
RT COLD WEATHER CONSTRUCTION
COLD WEATHER OPERATIONS
CONSTRUCTION IN PERMAPROST FROST ACTIVE FROST ZONE CONGELITURBATION -- FROST ACTION FREEZE- THAW DURABILITY FROST RESISTANCE
FROST SUSCEPTIBILITY TESTS

FROST PROTECTION (Con.)
FROST SUSCEPTIBLE SOILS - ICE CONTROL ICE PREVENTION PERMAFROST REGIONS SOIL BLENDING TEMPERATURE CONTROL FROST RESISTANCE 3
RT--CONCRETE DURABILITY FROST ACTION FROST PROTECTION FROST SUSCEPTIBLE SOILS 2 3 5 RT ACTIVE FROST ZONE FREEZE-THAW FREEZING INDEX FROST FROST ACTION
FROST PROTECTION
FROST SUSCEPTIBILITY TESTS -- GRAIN SIZES INORGANIC SILTS SOIL TEMPERATURE FROST SUSCEPTIBILITY TESTS 2 5 BT SOIL TESTS (LABORATORY) FINES FROST FROST PROTECTION FROST SUSCEPTIBLE SOILS -- GRADATION
-- GRAIN SIZE ANALYSIS FROUDE NUMBER GOUDE NUMBER 1
FT-CRITICAL FLOW
FLUID FLOW
HYDRAULIC JUMP
HYDRAULIC SIMILITUDE
REYNOLDS NUMBER
SIMILITUDE SIMILITUDE STANDING WAVES (WATER) TRANSITION FLOW FROZEN EQUILIBRIUM FLOW BT EQUILIBRIUM FLOW FLUID FLOW GAS FLOW RT SHIFTING EQUILIBRIUM FLOW FROZEN GROUND use FROZEN SOILS FROZEN ROCKS 2
BT ROCKS
RT CONSTRUCTION IN PERMAPROST
-- FROST ACTION PERMAFROST REGIONS ROCK MECHANICS FROZEN SOILS 2 5 UF FROZEN GROUND FROZEN GROUND
SOIL FREEZING
ACTIVE FROST ZONE
ARTIFICIAL FREEZING
COLD WEATHER CONSTRUCTION
COLD WEATHER OPERATIONS
CONGELITURBATION
CONSTRUCTION IN PERMAFROST
FREEZE-THAW
PEREZIDAD -- FREEZING FROST -- FROST ACTION FROST PENETRATION ICE LENSES LIQUID NITROGEN PERMAFROST REGIONS
SOIL FREEZING TESTS
SOIL TEMPERATURE STATE OF THE GROUND

TUNDRA

FUEL ASH 2 3 4 5 NOTE: Chiefly British term use FLY ASH FUEL CONSUMPTION 5 ENGINES RT FUEL SYSTEMS PERFORMANCE TESTS (VEHICLES) VEHICLE PERFORMANCE FUEL SPILLAGE (PAVEMENTS) 2 3 5 NT JET FUEL SPILLAGE (PAVEMENTS) RT AVIATION FUELS -- FLEXIBLE PAVEMENTS -- FUELS JET FUEL RESISTANT MATERIALS -- PAVEMENTS FUEL STORAGE 4
RT FUEL TANKS
POL STORAGE
STORAGE TANKS UNDERGROUND STORAGE FUEL SYSTEMS ENGINES RT FUEL CONSUMPTION FUEL TANKS 3 4
BT TANKS (CONTAINERS)
RT FUEL STORAGE
STORAGE TANKS JELS 3 6
NT AUTOMOTIVE FUELS
AVIATION FUELS
GASOLINE FUELS JET FUELS NATURAL GAS RT-- FUEL SPILLAGE (PAVEMENTS) FULL SCALE TESTS 1 2 4 5 6 use PROTOTYPE TESTS JMES 7
NOTE: Tiny solid particles commonly formed by the condensation
of vapors of solid matter
RT AEROSOLS
AIR POLLUTION
CONTAMINANTS
EMISSIONS -- EMISSIONS -- EXHAUST GASES FLUE GASES ODOR CONTROL PARTICULATES SMOG SMOKE VAPORS FUMIGANTS 7 NOTE: Pesticide that is burned NOTE: Festicide that is burned or evaporated to form a gas or vapor that destroys pests BT FESTICIDES POISONS RT-- PEST CONTROL FUNCTIONAL ANALYSIS 6
NT BESSEL TRANSFORMATION
FOURIER TRANSFORMATION
HARMONIC ANALYSIS
INTEGRAL EQUATIONS
--INTEGRAL TRANSFORMATIONS LAPLACE TRANSFORMATION RT--COMPLEX VARIABLES -- REAL VARIABLES PUNCTIONS (MATHEMATICS) 6
NT BESSEL FUNCTIONS
BESSEL TRANSFORMATION
CONFORMAL MAPPING
ELLIPTIC FUNCTION
FOURIER TRANSFORMATION
HARMONIC FUNCTIONS

FUNCTIONS (MATHEMATICS) (Con.)

-- INTEGRAL TRANSFORMATIONS
LAPLACE TRANSFORMATION
LINEAR TRANSFORMATIONS
LOGARITHMS
MATHIEU FUNCTIONS
ORTHOGONAL FUNCTIONS
PERIODIC FUNCTIONS
RT-- ALGEBRA
-- CALCILIUS -- CALCULUS -- GEOMETRY INTEGRAL EQUATIONS
-- MATHEMATICAL LOGIC
-- THEORY OF NUMBERS
-- TRANSFORMATIONS (MATHEMATICS) UNGI 7
NOTE: Small, often microscopic
plants without chlorophyll
BT PLANTS (BOTANY)
NT-- DECOMPOSERS MYXOMYCETES PATHOGENIC FUNGI SOIL FUNGI RT-- ALGAE AQUATIC MICROBIOLOGY
-- BACTERIA CRYPTOGAMS CULTURES FUNGICIDES LICHENS -- MICROBIOLOGY -- MICROORGANISMS PHYTOPLANKTON SCUM SLIME SPORES THERMOPHILES NGICIDES 3 7
NOTE: Pesticide chemical that
kills fungi or prevents them
from causing diseases, usually
on plants of economic importance
BT PESTICIDES FUNGICIDES POISONS RT--CONCRETE ADMIXTURES -- FUNGI FURAN RESINS 2 3 BT RESINS (SYNTHETIC) RT--PROTECTIVE COATINGS NT BLAST FURNACES FURNACES KILNS RT- - REFRACTORIES FURROW DRAINAGE 1 BT DRAINAGE RT DRAINAGE ENGINEERING JRROW SYSTEMS 1
RT--ARTIFICIAL RECHARGE
CHANNELING
IRRIGATION DITCHES WATER SPREADING FUSE PLUG SPILLWAYS USE PLUG SPILLWAYS 1 2
NOTE: Predetermined length of
levee furnished with explosives
at head of a floodway to be
crevassed if required as a
flood control measure
BT SPILLWAYS
RT FLOOD CONTROL
FLOODWAYS
OVER HIOW SPILLWAYS OVERFLOW SPILLWAYS FUSE PLUGS (LEVEES)
UF LEVEE FUSE PLUGS
RT LEVEES FUSION (MELTING) RT--ADHESION 3 6

FUSION (NUCLEAR) 4
use NUCLEAR FUSION

FUSION WEAPONS 4
UF H BOMBS
HYDROGEN BOMBS
THERMONUCLEAR WEAPONS
BT NUCLEAR WEAPONS
WEAPONS
(ORDNANCE)
FISSION WEAPONS
- NUCLEAR EXPLOSIONS
NUCLEAR FUSION
NUCLEAR RADIATION
NUCLEAR WARHEADS
THERMONUCLEAR ENERGY

FUZES (ORDNANCE) 4

NOTE: Devices designed and fitted to a bomb, projectile, mine or grenade, to detonate it at a predetermined place or at a predetermined time, by generating the concussion or flame which sets off the explosive charge

RT--AMMUNITION
AMMUNITION COMPONENTS CAPS (EXPLOSIVES)
DETONATORS
--EXPLOSIVE CHARGES
--ORDNANCE
--WARHEADS

GABBRO ABBRO 2 3 BT IGNEOUS ROCKS GALOIS THEORY BT ALGEBRA INTRUSIVE ROCKS GALVANIC CORROSION 3
BT CORROSION
RT CATHODIC PROTECTION
CHEMICAL ATTACK
GALVANIC CORROSION TESTS BASALT DOLERITE GABIONS ABIONS 1 UF ROCK SAUSAGES BT REVETMENT PASSIVITY RUSTING STRESS CORPOSION STRESS CORROSION RESISTANCE BANK PROTECTION --EROSION CONTROL GROINS MEANDERING STREAMS GALVANIC CORROSION TESTS 3
BT CORROSION TESTS
RT GALVANIC CORROSION
IMMERSION TESTS (CORROSION)
STRESS CORROSION TESTS
WATER STAIN TESTS SHORE PROTECTION SLOPE PROTECTION GAGES UF GAUGES BT MEASURING INSTRUMENTS BAROMETERS DIAL GAGES GALVANIZED MATERIALS GALVANOMETERS 1 4 6
BT ELECTRIC CURRENT METERS
ELECTRIC MEASURING
INSTRUMENTS
MEASURING INSTRUMENTS
RT--ELECTRIC CURRENTS
ELECTRICAL MEASUREMENT EXTENSOMETERS HOOK GAGES LIQUID LEVEL INDICATORS MANOMETERS PIEZOMETERS POINT GAGES -- PRECIPITATION GAGES
-- PRESSURE GAGES OHMMETERS VOLTMETERS --PRESSURE GAGES
FAIN GAGES
SNOW GAGES
STAFF GAGES
-STRAIN GAGES
STREAM GAGES
TIDE GAGES
WATER LEVEL INDICATORS
WEIR GAGES GAME THEORY BT OPERATIONS RESEARCH RT LINEAR PROGRAMMING --MATHEMATICAL MODELS
--MATHEMATICAL PROGRAMMING PROBABILITY THEORY
--SIMULATION WEIR GAGES
I CURRENT METERS
DEPTH RECORDERS
DYNAMOMETERS
FLOW MEASUREMENT
-FLOWMETERS
--GAGING STATIONS
--RECORDING INSTRUMENTS
SEDIMENT SAMPLERS
SENSORS -- STATISTICAL MODELS GAMMA ACTIVATION ANALYSIS 3
BT RADIOACTIVATION ANALYSIS GAMMA COUNTERS MEASURING INSTRUMENTS RADIATION MEASURING SENSORS STAGE-DISCHARGE RELATIONS INSTRUMENTS
GEIGER COUNTERS
NUCLEAR EMULSION COUNTERS
SCINTILLATION COUNTERS STREAM GAGING STATIONS
--STREAM FLOW TENSIOMETERS -TRANSDUCERS WATER MEASUREMENT GAMMA DENSITY LOGS use DENSILOGS GAGING STATIONS BT STATIONS
NT STREAM GAGING STATIONS
RT FLOW MEASUREMENT
--GAGES GAMMA PROBES 2 3 RT DENSILOGS GAMMA RAYS

NUCLEAR METHODS

--RADIOACTIVE ISOTOPES

SOIL DENSITY

--UNIT WEIGHT DETERMINATION --GAGES
--HYDROLOGIC INSTRUMENTS
--HYDROMETEOROLOGICAL
STATIONS
LIQUID LEVEL INDICATORS
OBSERVATION WELLS
--PRECIPITATION GAGES
RAIN GAGES
--EUNNING WATERS
--STREAM GAGES
WATER CONTROL
WATER LEVEL INDICATORS
--WATER LEVELS
WATER STAGE RECORDERS
WATER STAGE RECORDERS GAMMA RADIATION 2 3 4 5 7 use GAMMA RAYS GAMMA RAY SPECTRA 2 3 4 5 7 use GAMMA RAYS GAMMA RAY SPECTROMETERS 5
BT MEASURING INSTRUMENTS
NUCLEAR EQUIPMENT
RT--ELECTROMAGNETIC SENSORS WATER SURFACE GAMMA RAYS --REMOTE SENSING INSTRUMENTS GALES 1 BT STORMS GAMMA RAYS 2 3 4 5 7
UF GAMMA RADIATION
GAMMA RAY SPECTRA
BT ELECTROMAGNETIC RADIATION
NUCLEAR RADIATION WIND (METEOROLOGY) ALLERIES 1 2 3
RT--CONCRETE DAMS
--DAM INSTRUMENTATION
--DRAINAGE GALLERIES WAVES
ALPHA RAYS
BETA RAYS
DENSILOGS -- GROUNDWATER FLOW

MASONRY DAMS UNDERGROUND WATER STORAGE

GAMMA RAYS (Con.)
GAMMA PROBES
GAMMA RAY SPECTROMETERS GAS FLOW (Con.)
INVISCID FLOW
LAMINAR FLOW -LIQUID FLOW
MASS FLOW
-MULTIPHASE FLOW
NONUNIFORM FLOW GEIGER COUNTERS IRRADIATION -NUCLEAR METHODS RADIOACTIVE DECAY ORIFICE FLOW
PIPE FLOW
SINGLE PHASE FLOW
STEADY FLOW
STEAM FLOW
SUBCRITICAL FLOW --RADIATION EFFECTS
--RADIOACTIVE DECAY
--RADIOACTIVE ISOTOPES
RADIOACTIVITY WELL LOGGING X RAYS SUBSONIC FLOW SUPERCRITICAL FLOW GAP CROSSINGS 5 use STREAM CROSSINGS SUPERSONIC FLOW TRANSONIC FLOW TURBULENT FLOW TWO PHASE FLOW GAP GRADED AGGREGATES 2 3 5
BT AGGREGATES
GRANULAR MATERIALS
RT AGGREGATE GRADATION
--GRADATION
--GRADATION
--GRAIN SIZE ANALYSIS UNIFORM FLOW
--UNSTEADY FLOW
VISCOUS FLOW GAS FORMING AGENTS 3
RT FOAMING AGENTS GARAGES BT BUILDINGS RT--COMMERCIAL BUILDINGS GAS LAWS 1
RT--DENSITY (MASS VOLUME)
--FLUID DYNAMICS
--FLUID MECHANICS
--GAS DYNAMICS
--BEFESSIDE -- RESIDENTIAL BUILDINGS GARBAGE ARBAGE 7 BT REFUSE WASTES RT INCINERATORS -- PRESSURE --TEMPERATURE SANITARY ENGINEERING THERMODYNAMICS 1 2 3 4 6 7 use GASES GAS GAS LINES S LINES 1 2 use GAS PIPELINES AS ANALYSIS 3
BT CHEMICAL ANALYSIS
CHEMICAL TESTS
RT GAS CHROMATOGRAPHY
INFRARED ANALYSIS GAS PERMEABILITY (CONCRETE) GAS ANALYSIS NOTE: Characteristic of concrete in permitting gas to pass through
UF AIR PERMEABILITY (CONCRETE)
BT PERMEABILITY
PERMEABILITY (CONCRETE)
RT WATER PERMEABILITY (CONCRETE) GAS BUBBLES 1 2 3 use BUBBLES GAS CHROMATOGRAPHY 3 6
BT CHROMATOGRAPHY
RT GAS ANALYSIS
INFRARED ANALYSIS UF GAS LINES BT PIPELINES RT GAS UNES GAS PIPELINES GAS WELLS NATURAL GAS GAS DYNAMICS 1
BT FLUID DYNAMICS
FLUID MECHANICS
NT AERODYNAMICS GAS RESERVOIRS AS RESERVOIRS 2
RT GAS WELLS
NATURAL GAS
--NATURAL RESOURCES
OBSERVATION WELLS
OIL AND GAS FIELDS
OIL AND GAS MAPS
OIL RESERVOIRS
PETROLEUM ENGINEERING
PETROLEUM GEOLOGY RT AEROSTATICS --GAS FLOW GAS LAWS HYDRODYNAMICS KINETICS THERMODYNAMICS GAS EXPLOSIONS
BT EXPLOSIONS
RT--GASES GAS STIMULATION PT--EXPLOSIONS GASES GAS FLOW 1 BT FLOW FLUID FLOW GAS VALVES 1 RT--PNEUMATIC VALVES AIR CIRCULATION GAS WELLS 2
BT WELLS
RT--DEEP WELLS
GAS PIPELINES
GAS RESERVOIRS
NATURAL GAS
OIL AND GAS PIELDS
OIL WELLS
PETROLEUM ENGINEERING
PETROLEUM GEOLOGY
--ROTARY DRILLING --AIR FLOW
--EQUILIBRIUM FLOW
FREE MOLECULE FLOW
FROZEN EQUILIBRIUM FLOW
KNUDSEN FLOW
--MOLECULAR FLOW
NONEQUILIBRIUM FLOW
SHIFTING EQUILIBRIUM FLOW
STIP FLOW
TRANSITTON ELOW TRANSITION FLOW
RT--COMPRESSIBLE FLOW
--CRITICAL FLOW
FLUID RESISTANCE -- ROTARY DRILLING WELL CLOGGING GAS DYNAMICS HYPERSONIC FLOW INCOMPRESSIBLE FLOW

GASES 1 2 3 4 6 7
UF GAS
BT FLUIDS
NT--AIR
CARBON DIOXIDE
CARBON MONOXIDE
CHLORINE GATE SEATS 1
RT GATE SEALS
GATE VIBRATION -- HYDRAULIC GATES GATE VALVES ATE VALVES 1 BT HYDRAULIC VALVES COMPRESSED AIR
-DISSOLVED GASES
DISSOLVED OXYGEN
ENTRAPPED AIR PT HYDRAULIC VALVES
VALVES
RT BURIED IRRIGATION SYSTEMS
GLOBE VALVES
HOLLOW JET VALVES
PLUG VALVES
--PNEUMATIC VALVES
SLEEVE VALVES --EXHAUST GASES
FLUE GASES
HYDROGEN SULFIDE
INERT GASES METHANE NATURAL GAS NITROGEN OXYGEN GATE VIBRATION RT--HYDRAULIC GATES GATE SEATS OZONE SULFUR DIOXIDE GATES (HYDRAULIC STRUCTURES)
use HYDRAULIC GATES --VAPORS
WATER VAPOR
RT AERODYNAMICS
ATMOSPHERE GAUGES use GAGES BUBBLES GAUSSIAN DISTRIBUTION 1 GAS EXPLOSIONS
GAS STIMULATION
-LIQUID-GAS INTERPACES BT ANALYSIS
FREQUENCY DISTRIBUTION NUMERICAL ANALYSIS RT STATISTICAL TESTS LIQUIDS LIQUIFIED GASES PORE AIR PRESSURE GAZETTEERS RT DICTIONARIES GEOGRAPHY GASKETS 1 5 RT GATE SEALS JOINT SEALERS PIPE JOINTS GEANTICLINES 2
NOTE: Great upward flexure of the earth's crust
UF GEOANTICLINES
BT GEOLOGIC STRUCTURES
RT ANTICLINES
BT ANTICLINES
BT ANTICLINES ASOLINE 3
BT FUELS
RT AVIATION FUELS
JET FUELS GASOLINE BASINS (GEOLOGY)
--DOMES (GEOLOGY)
--FOLDS AND FOLDING (GEOLOGY) GASSHO BLOCKS 1 NOTE: Precast concrete armor GEOSYNCLINES MONOCLINES units BT ARMOR UNITS
RT COMPOSITE BREAKWATERS
RUBBLE-MOUND BREAKWATERS OROGENY SYNCLINES TECTONICS GATE CONTROL GEAR PUMPS 1 2 BT PUMPS RT CENTRIFUGAL PUMPS RT GATE HOISTS GATE SEALS -- HYDRAULIC GATES GEIGER COUNTERS 4 7
NOTE: Electrical devices that
detect the presence of
radioactivity
BT MEASURING INSTRUMENTS
RADIATION COUNTERS
RADIATION MEASURING
INSTRUMENTS
ET GAMMA COUNTERS GATE DOWNPULL ATE DOWNPULL 1
UF DOWNPULL (HYDRAULIC)
HYDRAULIC DOWNPULL
RT-HYDRAULIC GATES
HYDRAULIC PROPERTIES
--HYDRAULIC VALVES UF HOISTING MACHINERY (GATES)
BT HOISTS GATE HOISTS RT GAMMA COUNTERS GAMMA RAYS HALF-LIFE
IONIZATION CHAMBERS
NEUTRON COUNTERS
RADIATION HAZARDS BULKHEAD GATES
COASTER GATES
FIXED WHEEL GATES
FLOODGATES GATE CONTROL HIGH PRESSURE GATES GELATIN MODELS 2 5 BT MODELS RT--DAM DESIGN --HYDRAULIC GATES INTAKE GATES RADIAL GATES ROLLER GATES --EMBANKMENT DESIGN
PHOTOELASTIC METHOD
PHOTOELASTIC MODELS
STRESS ANALYSIS
STRESS DISTRIBUTION SLIDE GATES SLUICE GATES SPILLWAY GATES GELS 2 3

NT SILICA GEL
TOBERMORITE GEL
RT CEMENT PASTES
COAGULANTS
COLLOIDS GATE SEALS 1
UF SEALS (GATES)
RT GASKETS
GATE CONTROL
GATE SEATS
MITER GATES -- GROUTS -SEALERS SLOTS

WATER SEALS

GELS (Con.) JOOSTEN PROCESS GEODETIC SURVEYS (Con.) PHOTOGRAMMETRY
PHOTOGRAPHIC RECONNAISSANCE
-SITE SELECTION
SITE SELECTION STUDIES SLURRIES SODIUM SILICATES THIXOTROPY SITE SELECTION STUDIE:
--SURVEYING
--SURVEYING INSTRUMENTS
TOPOGRAPHIC SURVEYS
--TOPOGRAPHY GEM MINERALS BT MINERALS NT DIAMONDS TRIANGULATION --RUBIES RT--SYNTHETIC MINERALS GEODYNAMICS 2 4 NOTE: Science dealing with forces or processes within the GEM VEHICLES 2 5 use AIR CUSHION VEHICLES earth NT--DIASTROPHISM TT-DIASTROPHISM
TECTONICS
VOLCANISM
RT DYNAMIC GEOLOGY
--EARTH MOVEMENTS
EARTHQUAKE ENGINEERING
EARTHQUAKES
--GEOLOGY ENERATORS 4 7
NOTE: Devices that convert
mechanical energy into electri-GENERATORS cal energy RT--ELECTRIC POWER PLANTS --HYDROELECTRIC POWER GENERATION GEOPHYSICS GEOANTICLINES 2 use GEANTICLINES ISOSTASY OROGENY --PHYSICAL GEOLOGY GEOCHEMISTRY OCHEMISTRY 1 2 NOTE: Study of the chemical composition of the earth's SEISMOLOGY GEOGRAPHY OGRAPHY 1 2 6
UF PHYSICAL GEOGRAPHY
PHYSIOGRAPHY
NT--PALEOGRAPHY Crust

BT CHEMISTRY
GEOLOGY

RT--CHEMICAL ANALYSIS
CHEMICAL PROPERTIES
GEOCHRONOLOGY MILITARY GEOGRAPHY ANTARCTIC REGIONS ARCTIC REGIONS ARID REGIONS GEOPHYSICS GEOTHERMOMETRY --CLIMATOLOGY --ENVIRONMENTS --MINERALOGY GAZETTEERS MINING GEOLOGY PETROLEUM GEOLOGY -- GEOLOGY -- GEOMORPHOLOGY HUMID REGIONS SOIL CHEMISTRY --MAPS OCEANIC REGIONS WEATHERING (GEOLOGY) PERMAFROST REGIONS
--POLAR REGIONS OCCHRONOLOGY 2
NOTE: Study of time in relationship to the history of the earth
UF GEOLOGIC AGE
GEOLOGIC TIME --REGIONS SEMIARID REGIONS SUBARCTIC REGIONS SUBHUMID REGIONS GEOLOGY TEMPERATE REGIONS TROPICAL REGIONS GEOLOGI POSSILS GEOCHEMISTRY GEOLOGIC TIME SCALE GEOPHYSICS GEOHYDROLOGY use HYDROGEOLOGY -HISTORICAL GEOLOGY PALEOCLIMATOLOGY GEOLOGIC AGE 2
use GEOCHRONOLOGY -- PALEONTOLOGY RADIOCARBON DATING STRATIGRAPHY GEOLOGIC ENGINEERING 2 3 use ENGINEERING GEOLOGY GEODESY 1 2
NOTE: Investigation of any scientific question connected with the shape and dimensions of the earth
NT MARINE GEODESY
RT EARTH (PLANET)
EARTH SURFACE
GEODETIC SURVEYS
--GEOPHYSICS
GRAVIMETERS GEOLOGIC FORMATIONS NOTE: Group of rocks which have certain characteristics in common and which were deposited about the same geological period
RT BEDS (GEOLOGY)
FIELD GEOLOGY
GEOLOGIC MAPPING
--GEOLOGIC MAPS GRAVIMETERS -- MEASUREMENT -- GEOLOGICAL INVESTIGATIONS --SURVEYING --TOPOGRAPHY -- GEOLOGY HISTORICAL GEOLOGY STRATIGRAPHY GEODETIC SURVEYS 1 2
RT AERIAL SURVEYS
DAM SITE SELECTION
--GEODESY GEOLOGIC HISTORY 2 use HISTORICAL GEOLOGY GEOLOGIC MAPPING 2 7
BT MAPPING
RT FIELD GEOLOGY
GEOLOGIC FORMATIONS
--GEOLOGIC MAPS
--GEOLOGICAL INVESTIGATIONS HYDROGRAPHIC SURVEYS LEVELING -MAPPING MILITARY ENGINEERING

GEOLOGIC MAPPING (Con.) HISTORICAL GEOLOGY PHOTOGEOLOGY STRATIGRAPHY STRUCTURAL GEOLOGY GEOLOGIC MAPS 2

MOTE: Maps showing the exposed masses of rocks and minerals and also the normal topographical features

BT MAPS

MT PALEOGEOLOGIC MAPS

RT BASE MAPS

FACIES MAPS

GEOLOGIC FORMATIONS

GEOLOGIC MAPPING

--GEOLOGICAL INVESTIGATIONS

--GEOLOGY

ISOPACH MAPS ISOPACH MAPS STRATIGRAPHY STRUCTURAL GEOLOGY GEOLOGIC NOMENCLATURE BT NOMENCLATURE RT--GEOLOGY GEOLOGIC STRUCTURES 2
NOTE: Arrangement of the rock
formations, their inclination
and their main folding and and their main folding and faulting lines F ANTICLINES BASINS (GEOLOGY) --DOMES (GEOLOGY) FAULTS AND FAULTING (GEOLOGY) -FOLDS AND FOLDING (GEOLOGY FRACTURES AND FRACTURING (GEOLOGY) GEANTICLINES GEOSYNCLINES JOINTS AND JOINTING (GEOLOGY)
MONOCLINES (GEOLOGY) SYNCLINES THRUSTS AND THRUSTING (GEOLOGY) RT--DIASTROPHISM -- EARTH MOVEMENTS EARTHQUAKES -- GEOLOGICAL INVESTIGATIONS OROGENY STRUCTURAL GEOLOGY STRUCTURAL MAPS TECTONIC MAPS GEOLOGIC TIME 2
use GEOCHRONOLOGY GEOLOGIC TIME SCALE 2
RT FOSSILS
GEOCHRONOLOGY
--HISTORICAL GEOLOGY
RADIOCARBON DATING
STRATIGRAPHY GEOLOGICAL DEPOSITS 1 2 3 7 NOTE: All residual and detrital material deposited by water, material deposited by water, ice and air
P GEOLOGICAL SEDIMENTS
SEDIMENTS DEPOSITS
SEDIMENTS (GEOLOGY)
ABANDONED CHANNEL DEPOSITS
--AEOLIAN DEPOSITS
AEOLIAN SANDS
--ALLUYIUM BACKSWAMP DEPOSITS
BOULDER CLAY
BRAIDED STREAM DEPOSITS
CAVE DEPOSITS DELTAIC DEPOSITS DESERT DEPOSITS GLACIAL CLAYS
--GLACIAL DEPOSITS
GLACIAL OUTWASH

GEOLOGICAL DEPOSITS (Con.)
GLACIAL TILL
LACUSTRINE DEPOSITS
LAGOON DEPOSITS
LITTORAL DEPOSITS
LOAMS LOESS MARINE DEPOSITS MARINE DEPOSITS

--MEANDER BELT DEPOSITS
MINERAL DEPOSITS
NATURAL LEVEE DEPOSITS
ORGANIC CLAYS
--ORGANIC DEPOSITS
ORGANIC SILTS
--ORGANIC SOILS
POINT BAR DEPOSITS
SANDBARS
TERRACE DEPOSITS
VARVED CLAYS
ASPHALTS
--BITUMENS --BITUMENS COAL DEPOSITION DIAGENESIS FACIES FOSSILS LIGNITE --MINERALOGY OVERBURDEN
PETROLEUM
--PHYSICAL GEOLOGY
--SEDIMENT SEDIMENTARY PETROLOGY
--SEDIMENTARY ROCKS
SEDIMENTARY STRUCTURES -- SEDIMENTATION --SEDIMENTOLOGY STRATIGRAPHY -- WATER WEATHERING (GEOLOGY) GEOLOGICAL INVESTIGATIONS
UF GEOLOGICAL SURVEYS
NT PETROGRAPHIC ANALYSIS
RT AERIAL SURVEYS
BASE MAPS BEDDING PLANES -- BORING CROSS BEDDING -- DRILLING ENGINEERING GEOLOGY FIELD GEOLOGY
GEOLOGIC FORMATIONS
GEOLOGIC MAPPING
--GEOLOGIC MAPS
--GEOLOGIC STRUCTURES -- GEOPHYSICAL EXPLORATION OUTCROPS RECONNAISSANCE SURVEYS SITE SELECTION STUDIES STRATIGRAPHY
TOPOGRAPHIC MAPS
TOPOGRAPHIC SURVEYS GEOLOGICAL SEDIMENTS 1
use GEOLOGICAL DEPOSITS GEOLOGICAL SURVEYS use GEOLOGICAL INVESTIGATIONS GEOLOGY 1 2 3 7
NOTE: Science that deals with
the history of the earth and
its life, especially as
recorded in the rocks
NT ALLUVIAL MORPHOLOGY
COASTAL MORPHOLOGY
DYNAMIC GEOLOGY
--ECONOMIC GEOLOGY
ENGINEERING GEOLOGY
FIELD GEOLOGY

FIELD GEOLOGY GEOCHEMISTRY

GEOCHRONOLOGY -GEOMORPHOLOGY

GLACIAL GEOLOGY GLACIAL MORPHOLOGY

GEOMETRY (Con.)
VECTOR ANALYSIS
--VEGETATION STRUCTURE GEOLOGY (Con.) GLACIOLOGY HISTORICAL GEOLOGY HYDROGEOLOGY GEOMORPHOLOGY 1 2 NOTE: Study of the landforms of the continents and ocean IGNEOUS PETROLOGY LITHOLOGY LUNAR GEOLOGY
MARINE GEOLOGY
METAMORPHIC PETROLOGY
MILITARY GEOLOGY floors MORPHOLOGY (GEOMORPHOLOGY)
PHYSIOGRAPHIC GEOLOGY PHYSIOGRAPHIC GEOLOGY
PHYSIOGRAPHY

BT GEOLOGY
PHYSICAL GEOLOGY

NT ALLUVIAL MORPHOLOGY
COASTAL MORPHOLOGY
GLACIAL MORPHOLOGY
--BEACHES
BERMS (BEACHES)
CONTINENTAL SHELF
CONTINENTAL SLOPE
DELTAS
DRAINAGE DENSITY MILITARY GEOLOGY
MINING GEOLOGY
PETROGRAPHY
PETROLEUM GEOLOGY
--PETROLOGY
PHOTOGEOLOGY --PHYSICAL GEOLOGY SEDIMENTARY PETROLOGY --SEDIMENTOLOGY STRATIGRAPHY STRUCTURAL GEOLOGY STRUCTURAL PETROLOGY TECTONICS VOLCANISM DRAINAGE DENSITY DUNES ARCHAEOLOGY -EROSION FJORDS EARTH (PLANET)
--GEODYNAMICS --GEODYNAMICS
--GEOGRAPHY
GEOLOGIC FORMATIONS
GEOLOGIC MAPPING
--GEOLOGIC MAPS
GEOLOGIC NOMENCLATURE
--GEOLOGICAL INVESTIGATIONS
--GEOPHYSICAL EXPLORATION
GEOPHYSICAL MAPS
GEOPHYSICS
GEOTHERMOMETRY FLOOD PLAINS
--FLUVIAL MORPHOLOGY
--GEOGRAPHY
GLACIATION GLACIERS HISTORICAL GEOLOGY HYDROGEOLOGY ISOTASY MARINE GEOLOGY MEANDERING STREAMS GEOTHERMOMETRY
MINERAL DEPOSITS
MINERAL RESOURCES MOUNTAINS MUD FLATS OCEANOGRAPHY PHOTOGEOLOGY -MINERALOGY --MINERALS PHYSIOGRAPHIC MAPS POTHOLES ROCK MECHANICS -- ROCKS REEFS RELIEF MAPS -- SEDIMENTATION SEISMOLOGY --RIVERS
--RUNNING WATERS GEOMAGNETISM 1 2
NOTE: Earth's magnetic field
and the study thereof
UF TERRESTRIAL MADNETISM
RT CONTINENTAL DRIFT
GEORGESTES --RUNOFF --SEDIMENTOLOGY SHOALING SHOALS GEOPHYSICS -SLOPES SPITS (COASTAL)
STREAM DRAINAGE PATTERNS
STREAMFLOW REGULATION MAGNETIC PROPERTIES GEOMETRIC DESIGN 5
NOTE: Applicable to highways and airfields
BT DESIGN
RT AIRFIELD DESIGN
ROAD DESIGN STREAMS SUBMARINE TOPOGRAPHY -- TERRACES TERRAIN TERRAIN ANALYSIS
TOPOGRAPHIC MAPS
TOPOGRAPHIC SURVEYS
--TOPOGRAPHY ECMETRY 1 5 6
NT--ANALYTIC GEOMETRY
APPROACH GEOMETRY
DEPARTURE GEOMETRY
DIFFERENTIAL GEOMETRY
--EUCLIDEAN GEOMETRY
HYDRAULIC GEOMETRY
HYDROLOGIC GEOMETRY
MICROGEOMETRY
PLANE GEOMETRY
PLANE GEOMETRY GEOMETRY --VALLEYS VOLCANOES WEATHERING (GEOLOGY) OPHONES 2 4
NOTE: Appliances which measure
and record the arrival of the
shock waves in the seismic GEOPHONES PLANE GEOMETRY PROJECTIVE GEOMETRY shock waves in the selsmethod
BT MEASURING INSTRUMENTS
RT DETECTORS
SEISMIC LOGGING
--SEISMIC SURVEYS
SEISMORAPHS
SEISMORAPHS
SEISMORAPHS SOLID GEOMETRY
SPHERICAL GEOMETRY
--SURFACE GEOMETRY
TOPOLOGY TOPOLOGY RT--CALCULUS --COORDINATES SEISMOMETERS --DIAGRAMS -- SENSORS ELLIPSES GEOPHYSICAL EXPLORATION 2
UF GEOPHYSICAL PROSPECTING
GEOPHYSICAL SURVEYS FUNCTIONS (MATHEMATICS) POLYGONS -- SLOPES SUBSURFACE EXPLORATION
NT ACOUSTIC SURVEYS TENSOR ANALYSIS --TERRAIN TOPOGRAPHIC MAPS TRIGONOMETRY

GEOPHYSICAL EXPLORATION (Con.)
ELECTROMAGNETIC SURVEYS
GRAVIMETRIC SURVEYS
MAGNETIC SURVEYS
RESISTIVITY SURVEYS
SEISMIC REFLECTION METHODS
SEISMIC REFRACTION METHODS
--SEISMIC SURVEYS
VIBRATORY INVESTIGATIONS
WEIGHT DROPPING
(SEISMOLOGY)
RT--CIVIL ENGINEERING
ENGINEERING GEOLOGY
--FIELD TESTS
--GEOLOGICAL INVESTIGATIONS
--GEOLOGY GEOTECHNICAL ENGINEERING UF SOIL ENGINEERING BT CIVIL ENGINEERING CIVIL ENGINEERING
ENGINEERING GEOLOGY
ROAD ENGINEERING
ROCK MECHANICS
SOIL DYNAMICS
SOIL MECHANICS GEOTECTONIC GEOLOGY 2
use STRUCTURAL GEOLOGY GEOTHERMAL GRADIENTS use GEOTHERMOMETRY GEOTHERMAL LOGGING 2 GEORHYSICAL MAPS GEPHYSICS GEPHYSICS
--LOGGING
MARINE GEOLOGY
MINING ENGINEERING
MINING GEOLOGY
NONDESTRUCTIVE MEASUREMENT
OIL AND GAS FIELDS
PETROLEUM GEOLOGY
RECONNAISSANCE SURVEYS
ROCK CLASSIFICATION
--SITE SELECTION
--STRETFICATION GEOTHERMAL POWER PLANTS 7
BT ELECTRIC POWER PLANTS
THERMAL POWER PLANTS
RT-ELECTRIC POWER GENERATION
STEAM POWER PLANTS
THERMAL ENERGY GEOTHERMAL RESOURCES 6
BT--ENERGY RESOURCES --STRATIFICATION
--STRATIGRAPHY GEOTHERMOMETRY 2 NOTE: Science of the earth's heat UNDERWATER SURVEYS UF EARTH TEMPERATURE GEOTHERMAL GRADIENTS GEOPHYSICAL MAPS 2
RT--GEOLOGY
--GEOPHYSICAL EXPLORATION
GEOPHYSICS RT GEOCHEMISTRY GEOPHYSICS
--HEAT
SOIL TEMPERATURE
--TEMPERATURE
--THERMAL PROPERTIES GEOPHYSICAL PROSPECTING use GEOPHYSICAL EXPLORATION GEOPHYSICAL SURVEYS 2
use GEOPHYSICAL EXPLORATION GESCHIEBE 1 2 GEOPHYSICS 1 2 3
RT BATHYMETRY
CONTINENTAL DRIFT
DYNAMIC GEOLOGY
GEOCHEMISTRY EYSERS 1 2
BT RUNNING WATERS
SPRINGS (WATER)
RT HYDROTHERMAL ALTERATION
--PRESSURE **GEYSERS** GEOCHRONOLOGY -GEODESY STEAM --SUBSURFACE WATERS -- GEODYNAMICS -- GEOLOGY THERMAL WATERS -GEODOUY
GEOMAGNETISM
-GEOPHYSICAL EXPLORATION
GEOPHYSICAL MAPS
GEOTHERMOMETRY GIBSON METHOD (DISCHARGE
MEASUREMENT) 1
NOTE: Pressure momentum method
BT DISCHARGE MEASUREMENT
RT DILUTION METHOD (DISCHARGE
MEASUREMENT)
SALT VELOCITY METHOD
(DISCHARGE MEASUREMENT) GRAVIMETERS GRAVITY HYDROGRAPHY --HYDROLOGY ISOSTASY OCEANOGRAPHY --PETROLOGY
--PHYSICAL GEOLOGY
ROCK MECHANICS
SEISMOLOGY GILSONITE BT SHOALING MATERIALS (MODELS) GIRARD TURBINES 1 BT HYDRAULIC TURBINES RT--IMPULSE TURBINES SOIL DYNAMICS TECTONICS --TOPOGRAPHY GIRDER BRIDGES 3 RT CANTILEVER BRIDGES
RT CANTILEVER BRIDGES
HIGHWAY BRIDGES
RAILROAD BRIDGES GEOSYNCLINES EOSYNCLINES 2
MOTE: Great sediment-filled downward flexure of the earth's crust BT GEOLOGIC STRUCTURES
RT ANTICLINES
BASINS (GEOLOGY)
--DOMES (GEOLOGY)
--POLDS AND POLDING (GEOLOGY)
GEANTICLINES
MONOCLINES
OROGENY RIGID FRAME BRIDGES GIRDERS ERDERS 3 4
BT STRUCTURAL MEMBERS
NT PLATE GIRDERS
RING GIRDERS
RING GIRDERS RT--BEAMS SUPPORTS)
BOX BEAMS
JOISTS OROGENY SYNCLINES -- PLATES (STRUCTURAL MEMBERS) -- STRUCTURAL FORMS TRUSSES

GLACIAL GEOLOGY (Con.)
RT CREVASSES
--GLACIAL DEPOSITS
GLACIAL DRIFT
GLACIAL EROSION
--GLACIAL FEATURES
GLACIAL MAPS
GLACIAL MORPHOLOGY
--GLACIATION
GLACIAL GRACIAL
GLACIALOGY GLACIAL CLAYS 2 BT CLAYS COHESIVE SOILS FINE GRAINED SOILS
GEOLOGICAL DEPOSITS
GLACIAL DEPOSITS
BOULDER CLAY
GLACIAL TILL
VARVED CLAYS GLACIAL DEPOSITS 1 2
UF GLACIAL SEDIMENTS
BT GEOLOGICAL DEPOSITS
NT BOULDER CLAY
GLACIAL CLAYS
GLACIAL OUTWASH
GLACIAL TILL
WANTED LAYS GLACIOLOGY ICE PERIGLACIAL PHENOMENA PLEISTOCENE EPOCH SNOW GLACIAL LAKES 1 2
BT LAKES
RT GLACIAL EROSION
--GLACIAL FEATURES
GLACIAL MORPHOLOGY
LACUSTRINE DEPOSITS VARVED CLAYS GLACIAL DRIFT
GLACIAL EROSION
--GLACIAL FEATURES
GLACIAL GEOLOGY
GLACIAL MORPHOLOGY
--GLACIATION PERIGLACIAL PHENOMENA GLACIAL MAPS 2
BT MAPS
RT GLACIAL GEOLOGY
GLACIAL MORPHOLOGY
--GLACIATION
GLACIERS GLACIERS PERIGLACIAL PHENOMENA ROCK FLOUR
--SEDIMENTATION GLACIAL DRIFT GLACIOLOGY BT DRIFT
RT--GLACIAL DEPOSITS
GLACIAL EROSION
--GLACIAL FEATURES GLACIAL MORPHOLOGY BT GEOLOGY BT GEOLOGY
GEOMORPHOLOGY
PHYSICAL GEOLOGY
RT--GLACIAL DEPOSITS
GLACIAL DRIFT
GLACIAL FERSION
--GLACIAL FEATURES
GLACIAL GEOLOGY
GLACIAL LAKES
GLACIAL LAKES
GLACIAL MAPS
--GLACIATION
GLACIERS GLACIAL GEOLOGY GLACIAL MORPHOLOGY GLACIERS --GRAVELS PERIGLACIAL PHENOMENA
--SEDIMENTATION GLACIAL EPOCH use PLEISTOCENE EPOCH GLACIERS GLACIOLOGY GLACIAL EROSION 2
BT EROSION
RT--GLACIAL DEPOSITS
GLACIAL DRIFT
--GLACIAL FEATURES
GLACIAL GEOLOGY
GLACIAL LAKES
GLACIAL MORPHOLOGY
GLACIAL OUTWASH
GLACIAL TILL
--GLACIALION PERIGLACIAL PHENOMENA GLACIAL OUTWASH 2
BT GEOLOGICAL DEPOSITS
GLACIAL DEPOSITS
RT GLACIAL EROSION GLACIERS -- SEDIMENTATION --GLACIATION GLACIAL SEDIMENTS use GLACIAL DEPOSITS GLACIAL FEATURES 1 2
NOTE: Glacial drift or till
deposited chiefly by direct
glacial action
BT TOPOGRAPHIC FEATURES
NT DRUMLINS GLACIAL TILL LACIAL TILL 2
NOTE: Unstratified glacial
deposit of clay, silt, sand,
gravel and boulders
UF TILL
BT GEOLOGICAL DEPOSITS
GLACIAL DEPOSITS
RT BOULDER CLAY
CLAY GRAVET. ESKERS KAMES MORAINES
ALPINE GLACIATION
CONTINENTAL GLACIATION
CREVASSES CLAY GRAVEL DRUMLINS ESKERS
GLACIAL CLAYS
GLACIAL EROSION
KAMES CHEVASSES
-GLACIAL DEPOSITS
GLACIAL DRIFT
GLACIAL EROSION
GLACIAL GEOLOGY
GLACIAL LAKES
GLACIAL MORPHOLOGY
-GLACIAL TON MORAINES VARVED CLAYS LACIATION 1 2
NOTE: Alteration of the earth's solid surface through erosion and deposition by glacier ice NT ALPINE GLACIATION CONTINENTAL GLACIATION RT CLIMATIC CHANGES DEPOSITION --FROSION -GLACIATION GLACIERS GLACIATION GLACIOLOGY PERIGLACIAL PHENOMENA GLACIAL GEOLOGY NOTE: Study of features result-ing from glacial erosion and deposition BT GEOLOGY -- EROSION -- GEOMORPHOLOGY -- GLACIAL DEPOSITS

The second second

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GLACIATION (Con.)
GLACIAL EROSION
--GLACIAL FEATURES
GLACIAL GEOLOGY
GLACIAL MAPS
GLACIAL MORPHOLOGY
GLACIERS
                                                                                                                              GLASS FABRICS
                                                                                                                                                                2 3
                                                                                                                                   BT FABRICS
RT GLASS
                                                                                                                                            GLASS FIBERS
                                                                                                                                            QUARTZ
                                                                                                                                        --SILICA
                  GLACIOLOGY
PERIGLACIAL PHENOMENA
PLEISTOCENE EPOCH
POLAR REGIONS
                                                                                                                              GLASS FIBERS
                                                                                                                                                              2 3
                                                                                                                                   BT FIBERS
RT BORON FIBERS
FIBER GLASS
                  SCOUR
SUBARCTIC REGIONS
                                                                                                                                            FIBER REINFORCED PLASTICS
                                                                                                                                            GLASS
                                                                                                                                            GLASS FABRICS
         ACIERS 1 2
BT TOPOGRAPHIC FEATURES
RT ABLATION
BOULDERS
     GLACIERS
                                                                                                                                        GRAPHITE FIBERS
HEAT RESISTANT MATERIALS
--INSULATION
                                                                                                                                       --MINERAL WOOL
--SYNTHETIC FIBERS
                  CREVASSES
                  FJORDS
              PJORDS
--GEOMORPHOLOGY
--GLACIAL DEPOSITS
GLACIAL DRIFT
--GLACIAL FEATURES
GLACIAL GEOLOGY
GLACIAL MAPS
GLACIAL MORPHOLOGY
GLACIAL OUTWASH
--GLACIATION
                                                                                                                              GLIDERS
                                                                                                                                  BT AIRCRAFT
RT--MILITARY AIRCRAFT
                                                                                                                                           RECONNAISSANCE AIRCRAFT
                                                                                                                              GLOBE VALVES 1
BT HYDRAULIC VALVES
                                                                                                                                 YALVES
VALVES
FT GATE VALVES
HOLLOW JET VALVES
PLUG VALVES
--PNEUMATIC VALVES
SLEEVE VALVES
                -GLACIATION
GLACIOLOGY
              --LAKES
              --MELT WATER
MOUNTAINS
PERIGLACIAL PHENOMENA
--POLAR REGIONS
                                                                                                                              GLOCESTER CURRENT METER
                                                                                                                                  use CURRENT METERS
                                                                                                                              GLOETZL CELL
                 SCOUR
                                                                                                                                 RT CARLSON STRAIN METERS
CARLSON STRESS METERS
                 SUBARCTIC REGIONS
                                                                                                                                           STRAIN GAGES (CONCRETE)
STRESS METERS (CONCRETE)
       LACIOLOGY 1 2
NOTE: Study of the physics,
form, and regimens of
glaciers
BT GEOLOGY
RT ABLATION
CONTINENTAL GLACIATION
CRYOLOGY
--GLACIAL FEATURES
GLACIAL GEOLOGY
GLACIAL MAPS
GLACIAL MAPS
GLACIAL MORPHOLOGY
--GLACIATION
GLACIERS
HYDROGEOLOGY
   GLACIOLOGY
                                                                                                                            GLOSSARIES 5 6
UF DEFINITIONS
BT DOCUMENTS
RT DICTIONARIES
                                                                                                                                          NOMENCLATURE
                                                                                                                                          TERMINOLOGY
                                                                                                                                     -- THESAURI
                                                                                                                            GNEISS 2 3
BT METAMORPHIC ROCKS
ROCKS
                                                                                                                             GOER VEHICLES
                HYDROGEOLOGY
ICE MECHANICS
                                                                                                                                NOTE: Off-road military
vehicles with large pneumatic
               ISOSTASY
PERIGLACIAL PHENOMENA
SNOW MECHANICS
                                                                                                                              venicles with large price tired wheels
BT AMPHIBIOUS VEHICLES
MILITARY VEHICLES
OFF-ROAD VEHICLES
WHEELED VEHICLES
FT-CARGO VEHICLES
ELECTRIC VEHICLES
ELECTRIC WHEELS
           S 3 6
CERAMIC MATERIALS
OPTICAL PROPERTIES
GLASS AGGREGATES
GLASS BLOCK
GLASS CONTENT
GLASS FABRICS
GLASS FIBERS
  GLASS
                                                                                                                          GOLD 6
BT METALS
                                                                                                                          GORGES 1 2
 GLASS AGGREGATES
BT AGGREGATES
RT GLASS
                                                                                                                               use CANYONS
                                                                                                                         GOUGE CLAY 2
NOTE: Hard clayey deposit
between fault walls
BT CLAYS
COHESIVE SOILS
FINE GRAINED SOILS
GLASS BLOCK 3
RT GLASS
--MASONRY
GLASS CONTENT
RT GLASS
                                                                                                                        GOVERNORS (MACHINERY)
use SPEED REGULATORS
             PORTLAND CEMENT CLINKER
                 COOLING
                                                                                                                        GOW CAISSONS
```

use OPEN CAISSONS

RADATION 2 3 5
UP GRADING CURVES
GRAIN SIZE DISTRIBUTION
NT AGGREGATE GRADATION
SOIL GRADATION
RT ACCEPTANCE TESTS
COEFFICIENT OF CURVATURE
COEFFICIENT OF UNIFORMITY
EFFECTIVE GRAIN SIZE
FILTER CRITERIA
FINES GRAIN SHAPES (Con.)
SOIL PROPERTIES
RT AGGREGATE SHAPES GRADATION GRAIN SIZES
--GRANULAR MATERIALS
--MECHANICAL PROPERTIES
PARTICLES PETROPABRICS
--SOIL CLASSIFICATION
--SOIL STRUCTURE
SPECIFIC SURFACE FINES --TEXTURE FROST SUSCEPTIBILITY TESTS FRUST SUSCEPTIBILITY TESTS
GAP GRADED AGGREGATES
--GRAIN SIZE ANALYSIS
--GRANUSIZES
--GRANULAR MATERIALS
PARTICLE SIZE DISTRIBUTION
PARTICLES GRAIN SIZE ANALYSIS 2 3 5

UF COMBINED ANALYSIS
GRADATION ANALYSIS (SOILS)
MECHANICAL ANALYSIS
PARTICLE SIZE ANALYSIS
BT INDEX TESTS PARTICLES SOIL PARTICLE CHARACTERISTICS SOIL ANALYSIS SOIL TESTS (LABORATORY) HYDROMETER ANALYSIS PIPETTE METHOD --TEXTURE GRADATION ANALYSIS (SOILS)
use GRAIN SIZE ANALYSIS FIFETTE METHOD
SIEVE ANALYSIS
-WET ANALYSIS
ACCEPTANCE TESTS
ACGREGATE GRADATION
ACGREGATE TESTS
AGGREGATE TEXTURE GRADE BEAMS RADE BEAMS 2 3 4 NOTE: Reinforced concrete beam, usually at ground level, form a foundation for the walls of a superstructure
BT BEAMS (SUPPORTS)
STRUCTURAL MEMBERS
RT--CONCRETE BEAMS FILTER TESTS
FROST SUSCEPTIBILITY TESTS GAP GRADED AGGREGATES
--GRADATION CONTINUOUS BEAMS CONTINUOUS FOOTINGS GRAIN SIZES PARTICLES -- FOUNDATIONS -- SOIL CLASSIFICATION SOIL TEXTURE GRADERS RADERS 2 5 BT CONSTRUCTION EQUIPMENT GRAIN SIZE DISTRIBUTION 2 5 EARTH HANDLING EQUIPMENT BULLDOZERS use GRADATION SCARIFIERS GRAIN SIZES 2 3 5
BT SOIL PARTICLE CHARACTERISTICS
SOIL PROPERTIES
SURPACE COMPOSITION FACTORS SCRAPERS STRIPPING GRADIENTS 1 2 5 NT CRITICAL GRADIENTS AGGREGATE GRADATION ENERGY GRADIENTS
--HYDRAULIC GRADIENTS
PRESSURE GRADIENTS
THERMAL GRADIENTS --CLAYS --CLAYS
COEFFICIENT OF CURVATURE
COEFFICIENT OF UNIFORMITY
EFFECTIVE GRAIN SIZE
FILTER CRITERIA
FROST SUSCEPTIBLE SOILS
--GRADATION BED MOVEMENTS
EMERGY DISSIPATION
EMERGY DISSIPATORS
(HYDRAULIC STRUCTURES) --GRADATION
GRAIN SHAPES
--GRAIN SIZE ANALYSIS
--GRANULAR MATERIALS
--MECHANICAL PROPERTIES
PETROFABRICS
--SOIL CLASSIFICATION
SOIL POROSITY
--SOIL STRUCTURE
STOKES LAW
--TEXTURE ENERGY EQUATION -- FLOW CONTROL GRAPHICAL METHODS HEAD LOSSES PROFILES
PROFILOMETERS --SLOPES TOPOGRAPHY VECTOR ANALYSIS TE 2 3 IGNEOUS ROCKS INTRUSIVE ROCKS GRANITE GRADING CURVES
USE GRADATION GRADUALLY VARIED FLOW BT FLOW RT FLOW PATTERNS ROCKS RT--AGGREGATES BATHOLITH GRANITIZATION STEADY FLOW PEGMATITE QUARTZ --TIDES UNIFORM FLOW RHYOLITE GRAIN ELEVATORS 3 UP ELEVATORS (GRAIN) RT BINS RANITIZATION 2
NOTE: Processes which result in the formation of granitic rocks from sediments
RT GRANITE
METAMORPHIC PETROLOGY GRANITIZATION SILOS GRAIN SHAPES AIN SHAPES 2 3 5 UF PARTICLE SHAPES BT SOIL PARTICLE CHARACTERISTICS GRANTS GRANULAR ACTIVATED CARBON FILTERS 1

FILTERS (WATER TREATMENT)

GRANULAR MATERIALS 2 3 5 GRAPHICAL METHODS (Con.) VECTOR ANALYSIS WEDGE METHOD NT AEOLIAN SANDS BEACH SANDS COARSE AGGREGATES CONCRETE AGGREGATES CRUSHED STONE AREA CAPACITY CURVES -- CHARTS COMPUTER APPLICATIONS CRITICAL CIRCLE CRITICAL SURFACE FINE AGGREGATES
GAF GRADED AGGREGATES --GRAVELS
HEAVYWEIGHT AGGREGATES
LIGHTWEIGHT AGGREGATES
OPENWORK GRAVELS --CURVES DATA REDUCTION
--DIAGRAMS -- DRAWINGS PEA GRAVELS QUICKSAND -- GRADIENTS HODOGRAPHS --SANDS NOMOGRAPHS SHINGLES (BEACH) NOMOGRAPHY REGRESSION ANALYSIS SOIL AGGREGATES RT--AGGREGATES -STATICS
-STATISTICAL ANALYSIS
STATISTICAL DISTRIBUTIONS COMESIONLESS SOILS TENSOR ANALYSIS VECTOR ANALYSIS FINES --GRADATION GRAIN SHAPES GRAIN SIZES WAVEFORMS GRANULAR MEDIA GRANULATION GRAPHITE 2 6 RT--CARBON PARTICLES PERVIOUS SOILS -- COATINGS DIAMONDS SIEVE ANALYSIS SINGLE GRAINED STRUCTURE GRAPHITE FIBERS LUBRICATION (SOILS) --PAINTS GRAPHITE FIBERS 2
RT BORON FIBERS
FIBER REINFORCED PLASTICS
GLASS FIBERS GRANULAR MEDIA 2 3 6 RT--GRANULAR MATERIALS POROUS MEDIA POWDER (PARTICLES) GRAPHITE GRANULATION 2 3 6
NOTE: Crushing of rock under such conditions that no visible openings result
UF MICROFISSURATION -- SYNTHETIC FIBERS GRASSED WATERWAYS 1
USE VEGETATED WATERWAYS RASSES 2 5 7
BT PLANTS (BOTANY)
NT EELGRASS
TURF GRASSES
RT BANK PROTECTION
EROSION CONTROL BY VEGETATION
OF ACCUMENTS AND THE PROPERTY OF T ABRASION COMMINUTION **ORASSES** CRUSHING OF ROCKS DECOMPOSITION DISINTEGRATION
--GRANULAR MATERIALS
GRINDING (COMMINUTION)
HAMMER MILLING GRASSLANDS SLOPE PROTECTION ROCK FRAGMENTATION WEATHERING (CONCRETE) WEATHERING (GEOLOGY) VEGETATION VEGETATION CLASSIFICATION VEGETATION DESCRIPTIONS VEGETATIVE COVER GRAFH THEORY 1 RT NETWORK FLOWS GRASSLANDS NOTE: Vegetation consisting chiefly of grasses or grasslike GRAPHIC ARTS plants
BT BIOMES
LAND
RT ASSOCIATION COMPUTER GRAPHICS MOTION PICTURES -- PHOTOGRAPHY PRINTING -- CONSERVATION -- ECOLOGY GRAPHIC CHARTS 1 2 use GRAPHICAL METHODS -- GRASSES -- NATURAL RESOURCES GRAPHIC STATICS 1 2 5 6 use GRAPHICAL METHODS RANGES
--RESOURCE CONSERVATION SAVANNAS --SUCCESSION GRAPHICAL ANALYSIS 1 2 5 6 use GRAPHICAL METHODS TERRESTRIAL HABITATS VEGETATION GRAPHICAL METHODS 1 2 5 6 UF GRAPHIC CHARTS
GRAPHIC STATICS
GRAPHICAL ANALYSIS
OT CULMANNS METHOD
FRICTION CIRCLE METHOD
KREYS METHOD
BROWGE ETE METHOD GRAVEL BLANKETS 1 2 BT BLANKETS RT BEDDING MATERIAL --DAMS DRAINAGE BLANKETS -- EARTH DAMS -- EROSION CONTROL PONCELETS METHOD REBHANNS METHOD GRAVELS PERVIOUS LININGS SIMPLIFIED METHOD OF SLICES SLICES METHOD --RIPRAP ROCK BLANKETS

GRAVEL FILLED WELLS 1 :

GRAVITATIONAL WATER (Con.) GRAVEL PACKED WELLS 1 3 UF GRAVEL FILLED WELLS GRAVEL WALL WELLS -- PERCOLATION
-- VADOSE WATER WATER WELLS WELLS GRAVITY RT GE TY 1 2 GEOPHYSICS WELL CASINGS WELL SCREENS GRAVIMETERS
GRAVIMETRIC SURVEYS
GRAVITY FLOW (GROUNDWATER)
GRAVITY WAVES
ISOSTASY
--MASS WASTING GRAVEL PITS BT BORROW AREAS PITS RT--AGGREGATES BORROW MATERIALS
-EXCAVATION WEIGHING DEVICES GRAVITY CONVEYORS 3
BT CONVEYORS
MATERIALS HANDLING
EQUIPMENT QUARRIES GRAVEL WALL WELLS 1 2 use GRAVEL PACKED WELLS CHUTES PNEUMATIC CONVEYORS RAVELS 1 2 3 5 BT COARSE GRAINED SOILS GRANULAR MATERIALS GRAVITY DAM CONSTRUCTION 1 2 3 BT CONSTRUCTION
DAM CONSTRUCTION
CONCRETE DAM CONSTRUCTION
CONSTRUCTION JOINTS
GRAVITY DAM DESIGN
GRAVITY DAM PERFORMANCE ROCKS OPENWORK GRAVELS PEA GRAVELS RT--AGGREGATES ALLUVIAL FANS BASE COURSES CLAY GRAVEL COARSE AGGREGATES GRAVITY DAMS SLIP FORMS GRAVITY DAM DESIGN 1 2 3 BT DAM DESIGN DESIGN COHESIONLESS SOILS CONCRETE AGGREGATES COUNTERFORT DRAINS DESIGN
STRUCTURAL DESIGN
CONCRETE DAM DESIGN
GRAVITY DAM CONSTRUCTION
GRAVITY DAM PERFORMANCE
GRAVITY DAMS COUNTERPORT DRAIL
CRUSHED STONE
DELTAIC DEPOSITS
FILTER MATERIALS
GLACIAL DRIFT
GRAVEL BLANKETS
HYDRAULIC MINING GRAVITY DAM PERFORMANCE 1 2
BT DAM PERFORMANCE
RT CONCRETE DAM PERFORMANCE
GRAVITY DAM CONSTRUCTION
GRAVITY DAM DESIGN
GRAVITY DAMS LITTORAL DEPOSITS LITTORAL DRIFT MORAINES PERVIOUS SOILS POROUS MATERIALS SAND GRAVEL CONCRETE GRAVITY DAMS 1 2 3 4 BT DAMS RT BUTTRESS DAMS SHINGLES (BEACH)
SOIL (CONSTRUCTION MATERIAL)
SOIL TEXTURE COFFERDAMS --CONCRETE DAMS TERRACE DEPOSITS TRENCH DRAINS WELL FILTERS --EARTH DAMS
GRAVITY DAM CONSTRUCTION
GRAVITY DAM DESIGN
GRAVITY DAM PERFORMANCE GRAVIMETERS 1 2
NOTE: Devices for measuring gravitation
UP GRAVITY METERS
BT MEASURING INSTRUMENTS
RT ACCELEROMETERS GRAVITY WALLS MASONRY DAMS ROCKFILL DAMS GRAVITY DRAINAGE NOTE: Movement of liquids under the force of gravity BT DRAINAGE RT PUMP DRAINAGE TILE DRAINS -GEODESY -- GEOPHYSICS GRAVIMETRIC SURVEYS GRAVIMETRIC ANALYSIS RT WATER ANALYSIS GRAVITY FLOW (GROUNDWATER) 1 : NOTE: Flow under the force of gravity BT FLOW GRAVIMETRIC SURVEYS BT FLOW
RT GRAVITY
GRAVITY WELLS
--GROUNDWATER
INFILTRATION (WATER) UP GRAVITATIONAL METHODS
BT GEOPHYSICAL EXPLORATION
SUBSURFACE EXPLORATION
RT GRAVIMETERS GRAVITY PERCOLATION GRAVIMETRY 1 RT--MEASUREMENT GRAVITY METERS
USE GRAVIMETERS 1 2 GRAVITATIONAL METHODS 1
use GRAVIMETRIC SURVEYS GRAVITY WALLS 2 BT RETAINING WALLS WALLS GRAVITATIONAL WATER RT--CONCRETES BT WATER
RT--DRAINAGE
--GROUND WATER GRAVITY DAMS -- MASONRY

RUBBLE MASONRY

GRIFFITHS FAILURE THEORY (Con.) FRACTURE OF SOLIDS ROCK FRACTURE ORAVITY WAVES 1 2 4
NOTE: Waves propagated in the surface layers of water or other liquid because of the GRILLAGE FOOTINGS 2 3 BT FOOTINGS tendency of gravity to maintain a uniform level BT MECHANICAL WAVES WATER WAVES FOUNDATIONS SHALLOW FOUNDATIONS
RT I-BEAMS
MAT FOUNDATIONS WAVES RT COMPRESSION WAVES
--ELASTIC WAVES
GRAVITY
INTERNAL WAVES TIMBERS GRINDING (COMMINUTION)
UF BALL MILLING
PEBBLE MILLING 2 3 4 7 LAMB WAVES
--SURFACE WAVES (SOLID MEDIA)
--WATER WAVES PULVERIZING ROD MILLING COMMINUTION GRAVITY WELLS BT WATER WELLS WELLS RT ABRASION ATTRITION CRUSHING OF ROCKS DECOMPOSITION RT GRAVITY FLOW (GROUNDWATER) DETERIORATION GRAYBODY 2 NOTE: Body which emits radiation DISINTEGRATION EROSION GRANULATION equally at all wavelengths but absorbs more than it emits UF GREY BODY RT BLACKBODY GRINDING (MATERIAL REMOVAL)
--GRINDING MILLS HAMMER MILLING --MIXING EMISSIVITY PORTLAND CEMENT CLINKER ROCK FRAGMENTATION RAYWACKE 2 3 NOTE: Loose lithological term for a dark, badly graded, argillaceous sandstone or fine GRAYWACKE WEATHERING (GEOLOGY) GRINDING (MATERIAL REMOVAL) 3 RT ABRASION CONCRETE FINISHES (HARDENED grit RT--CLAYS FELDSPARS CONCRETE) QUARTZ SANDSTONES --SEDIMENTARY ROCKS GRINDING (COMMUNITION) GREAT SOIL GROUPS 5

NT SOIL SERIES

RT SOIL CLASSIFICATION

SOIL MAPS

--SOIL SCIENCE

USDA TEXTURAL CLASSIFICATION GRINDING MILLS 3

NT BALL MILLS

RT--COMMINUTION

GRINDING (COMMINUTION) MORTARS (EQUIPMENT) REENHOUSE EFFECT 7
NOTE: Warming of the earth's surface resulting from the capacity of the atmosphere to transmit short-wave energy (visible and ultra-violet light) to the earth's surface, and to absorb and retain heat radiating from the surface RT THERMAL RADIATION GREENHOUSE EFFECT GROBELAAR BLOCKS NOTE: Precast concrete armor BT ARMOR UNITS ROINS 1
NOTE: Rigid structures built out
at an angle from shore to protect the shore from erosion by
currents, tides, and waves or to
trap sand
UF WING DAMS
BT WALLS
RT BEACH EROSION
CHANNEL EROSION GRENADES BT AMMUNITION RT CONVENTIONAL WEAPONS -- FRAGMENTATION AMMUNITION
HIGH EXPLOSIVE AMMUNITION DEACH EROSION
CHANNEL EROSION
CHANNEL IMPROVEMENT
COASTAL STRUCTURES
-DIKES (TRAINING STRUCTURES)
GABIONS -- INCENDIARY AMMUNITION
-- ORDNANCE PYROTECHNICS SMALL ARMS JETTIES --WEAPONS SHORE PROTECTION
WATER WAVE ACTION ON
MARITIME STRUCTURES GREY BODY 2 GROOVING (PAVEMENTS) 5
RT CHANNELIZED TRAFFIC TESTS
HYDROPLANING
PAVEMENT DETERIORATION GRID ROLLERS 2 5
BT COMPACTION EQUIPMENT
CONSTRUCTION EQUIPMENT ROLLERS RT--CLAYEY SOILS RUT DEPTH
SKID RESISTANCE
SURFACE ROUGHNESS (PAVEMENTS) ORIDS (COORDINATES) BT COORDINATES RT--MAPS GROUND CONTACT PRESSURE (VEHICLES)
use CONTACT PRESSURE (VEHICLES) GRIPPITHS PAILURE THEORY

BT STRENGTH THEORIES RT FRACTURE MECHANICS

GROUND ROLL 2 4
NOTE: In seismology, the seismic surface wave caused by an GROUND COVER NOTE: Plants or plant parts,
living or dead, on the surface
of the ground
RT COVER CROPS
--PLANTS (BOTANY)
SOIL EROSION
VEGETATION explosion
UF GROUNDROLL
BT SEISMIC WAVES
SURFACE WAVES (SOLID MEDIA)
RT AIR BLAST INDUCED GROUND MOTION --EXPLOSION EFFECTS -- GROUND MOTION
GROUND MOTION PREDICTIONS GROUND EFFECT NOTE: Generation of an air cushion artifically so that a vehicle is supported on the air cushion close to the ground RT AERODYNAMICS --DRAG LIPT LOVE WAVES RAYLEIGH WAVES -SEISMIC SURVEYS SEISMOLOGY SURFACE EXPLOSIONS LIFT GROUND ROUGHNESS 5
use MICROGEOMETRY GROUND EFFECT MACHINES 2
use AIR CUSHION VEHICLES NOUND SHOCK 2 4
RT AIR BLAST INDUCED GROUND
MOTION
AIR PLACE GROUND SHOCK NOTE: Ability (as of a tire, platform or vehicle) to stay on the surface of soft ground BT FLOTATION
RT AIRCRAFT LOADS
--BEARING CAPACITY
--CONTACT PRESSURE (VEHICLES)
--MOBILITY
OFF-ROAD MORILITY GROUND FLOTATION MOTION
AIR BLAST WAVES
--DYNAMIC LOADS
--EXPLOSION EFFECTS
--GROUND MOTION
GROUND MOTION PREDICTIONS
GROUND SHOCK WAVES (AIR
LINDUCED) INDUCED) INDUCED)
GROUND SHOCK WAVES (DIRECT)
HE EXPLOSIONS
NUCLEAR WEAPONS EFFECTS
--SEISMIC WAVES
--SHOCK WAVES
UNDERGROUND EXPLOSIONS
UNDERGROUND EXPLOSIONS
UNDERGROUND EXPLOSIONS OFF-ROAD MOBILITY -SINKAGE --SOIL STABILIZATION SOIL STRENGTH SOIL SIRENGIH
SOIL-TRACK INTERACTION
SOIL-VEHICLE INTERACTION
SOIL-WEBL INTERACTION
-TRAPFIC LOADS
-TRAPFIC ADILITY -- UNDERGROUND STRUCTURES WAVE PROPAGATION VEHICLE SINKAGE GROUND SHOCK WAVES (AIR NOTE: High amplitude seismic waves BT ELASTIC WAVES SEISMIC WAVES GROUND MATTING use LANDING MATS GROUND MOBILITY 5 SHOCK WAVES GROUND MOTION 2 3 4

NOTE: Displacement of the ground due to the passage of elastic waves arising from earthquakes, explosions, seismic shots, machinery, wind, traffic, and other causes

NT AIR BLAST INDUCED GROUND MOTION

RT-DYNAMIC LOADS

--EARTH MOVEMENTS
EARTH OSCILLATIONS
EARTHQUAKES

--ELASTIC WAVES WAVES RT AIR BLAST INDUCED GROUND MOTION AIR BLAST WAVES --GROUND MOTION
GROUND MOTION PREDICTIONS GROUND SHOCK GROUND SHOCK WAVES (DIRECT) 2
NOTE: High amplitude seismic 2 4 waves
BT ELASTIC WAVES
SEISMIC WAVES
SHOCK WAVES EARTHQUAKES
--BLASTIC WAVES
--EXPLOSION EPPECTS
FREE FIELD MOTION
OROUND MOTION PREDICTIONS
GROUND ROLL
GROUND SHOCK WAVES (AIR
INDUCED)
GROUND SHOCK WAVES (ADDRESS WAVES EARTHQUAKES --GROUND MOTION
GROUND MOTION PREDICTIONS
GROUND SHOCK
UNDERGROUND EXPLOSIONS GROUND STRESSES RT MINES (EXCAVATIONS)
--MINING
SOIL STRESSES
STRESS DISTRIBUTION GROUND SHOCK WAVES (DIRECT)
MICROSEISMS SEISMIC RISKS SEISMOGRAPHS SEISMOLOGY SEISMOMETERS GROUND SUPPORT EQUIPMENT 4 5 6 ROUND SUPPORT EQUIPMENT 4 5 6
NOTE: All ground equipment
necessary to transport, service,
test, control and launch the
vehicle, providing that this
equipment is furnished as a
part of the vehicle system
RT LAUNCHING BASES
--LAUNCHING SITES GROUND MOTION PREDICTIONS OUND MOTION PREDICTIONS 4

RT-GROUND MOTION
GROUND ROLL
GROUND SHOCK
GROUND SHOCK WAVES (AIR-INDUCED)
GROUND SHOCK WAVES (DIRECT) --MAINTENANCE MILITARY BASES

GROUND SUPPORT EQUIPMENT (Con.)
MILITARY EQUIPMENT
--MILITARY FACILITIES
--MILITARY OPERATIONS
--MILITARY VEHICLES
MISSILE FACILITIES
MISSILE LAUNCHERS
--MISSILES --MISSILES ROCKETS --SPACE VEHICLES ROUND SURFACE 2 5
use EARTH SURFACE
STATE OF THE GROUND GROUND SURFACE GROUND TEMPERATURE 2
use SOIL TEMPERATURE GROUND VEHICLES 5
NOTE: Use of a more specific term is recommended; consult the terms listed below:
AGRICULTURAL VEHICLES
AIR CUSHION VEHICLES AIROLL VEHICLES AMBULANCES
AMPHIBIOUS VEHICLES
ARTICULATED VEHICLES BACKHOES BULLDOZERS BULLDAGERS
BUOYANT SCREW VEHICLES
CARGO VEHICLES
COMBAT VEHICLES
CONTAINER HANDLING VEHICLES CRAWLER TRACTORS ELECTRIC VEHICLES EXCAVATORS FORESTRY VEHICLES FORK LIFT TRUCKS GOER VEHICLES GRADERS INDUSTRIAL VEHICLES JEEPS LAND CLEARING VEHICLES LIGHT UTILITY VEHICLES LOADERS LOGGING VEHICLES LUNAR ROVING VEHICLES MAINTENANCE VEHICLES MILITARY VEHICLES
OFF-ROAD VEHICLES
OVERLAND TRAIN
PERSONNEL CARRIERS RECONNAISSANCE VEHICLES
RECOVERY VEHICLES
ROAD VEHICLES
ROLLERS SCRAPERS SELF-PROPELLED ARTILLERY SELF-PROPELLED VEHICLES SEMITRAILERS SKIDDERS (VEHICLES) SLEDS SNOW VEHICLES SNOWMOBILES TANK TRUCKS
TANKS (COMBAT VEHICLES)
TOWED VEHICLES
TOWED WHEELS
TOWING VEHICLES TRACKED VEHICLES TRACTORS TRAILERS TREE CRUSHERS TRUCKS UNCONVENTIONAL VEHICLES WALKING VEHICLES WEAPON CARRIERS WHEELED TRACTORS WHEELED VEHICLES GROUND WASH 2 NOTE: Flow of gases under pressure along the ground, a distinguished from DOWNWASH

RT DOWNWASH GROUNDING (ELECTRICITY) use ELECTRICAL GROUNDING GROUNDROLL 2 4
use GROUND ROLL NOUNDWATER 1 2 3 5 7
NOTE: Continuous body of underground water in soil voids that is free to move under influence of gravity
UF FREE WATER
PHREADIC WATER GROUNDWATER PHREATIC WATER FLUIDS SUBSURFACE WATERS WATER ARTESIAN WATER CONFINED WATER PERCHED WATER SALINE GROUNDWATER AQUIFER MODELS AQUIFERS ARTESIAN AQUIFERS ARTESIAN WELLS BANK STORAGE BASE FLOW BRACKISH WATER CENOTES
CONJUNCTIVE USE
CONNATE WATER DARCYS LAW DEWATERING -- DRAINAGE DRAINAGE EFFECTS EFFLUENT STREAMS FLOODED SOILS FLOW NETS FRESH WATER FRESH WATER
GRAVITATIONAL WATER
GRAVITY FLOW (GROUNDWATER)
GROUNDWATER CHEMISTRY
GROUNDWATER CONTROL
(EXCAVATION)
GROUNDWATER DEPLETION
GROUNDWATER ELEVATION
--GROUNDWATER FLOW
GROUNDWATER FLOW
GROUNDWATER WATER -GROUNDWATER FLOW
GROUNDWATER HYDRAULICS
GROUNDWATER HYDROLOGY
GROUNDWATER LOWERING
GROUNDWATER MAPS
GROUNDWATER RECHARGE
GROUNDWATER RECHARGE
GROUNDWATER RUNOFF
BROUNDWATER RUNOFF
BROUNDWATER SUPERES --GROUNDWATER SOURCES GROUNDWATER SUPPLY HYDRAULIC CONDUCTIVITY HYDROGEOLOGY HYDROGEOLOGY
-HYDROGRAPHS
HYDROLOGIC BUDGET
HYDROLOGIC CYCLE
-HYDROLOGIC DATA
HYDROLOGIC EQUATION
-HYDROLOGIC MODELS --HYDROLOGY INFILTRATION (WATER) INFLITATION (WATER)
INFLUENT STHEAMS
LEACHING (SOILS)
OBSERVATION WELLS
OIL-WATER INTERFACES
PERCHED WATER TABLE
PERCOLATION WATER
PERCOLATION
PERVIOUS SOILS
PHREATIC LINE
-PORE PRESSURE
PORE WATER
-PRECIPITATION (METEOROLOGY)
QUICKSAND QUICKSAND RETURN FLOW --RUNNING WATERS SALT WATER INTRUSION SATURATED SOILS
--SATURATION (SOILS)
SATURATION ZONES (SOILS)
--SEEPAGE

GROUND WASH (Con.)

GROUNDWATER (Con.)
-- SHALLOW FOUNDATIONS
-- SOIL MOISTURE
SOIL WATER STORAGE
SPECIFIC CAPACITY
SPREADING BASINS
-- SPRINGS (WATER)
SUBSURPACE DRAINAGE
SURFACE-GROUNDWATER
RELATIONSHIPS
-- SURPACE WATERS GROUNDWATER ELEVATION (Con.)
HYDROSTATIC PRESSURE --LOGGING --WATER TABLE WELL LOGS GROUNDWATER FLOW 1 2 BT FLOW FLUID FLOW NT ARTESIAN FLOW RT AQUIFER MODELS --AQUIFERS -SURFACE WATERS UNDERGROUND WATER STORAGE --WATER CURRENTS
--WATER MANAGEMENT
WATER PROSPECTING
WATER RESOURCES BANK STORAGE BASE FLOW CAPILLARY FLOW DARCYS LAW WATER RESOURCES MANAGEMENT -WATER STORAGE --DRAWDOWN
DUPUITS EQUATION
--FIELD PERMEABILITY TESTS --WATER SUPPLY --WATER SUPPLY FORECASTING FLOW MEASUREMENT
FLOW NETS
--FLOW THROUGH POROUS MEDIA
--FLOWMETERS WATER SUPPLY SYSTEMS -WATER TABLE --WATER --WATER WELLS FLUORESCEIN GALLERIES GROUNDWATER BARRIERS
BT BARRIERS
RT AQUICLUDES
--AQUIFERS GALLERIES
-GROUNDWATER
GROUNDWATER CONTROL
(EXCAVATION)
GROUNDWATER HYDRAULICS
HYDROLOGIC EQUATION
-HYDROLOGIC MODELS
THEY TO ATTON (MATER) FAULTS AND FAULTING (GEOLOGY)
IMPERVIOUS SOILS OBSTRUCTION TO FLOW INFILTRATION (WATER)
INFLUENT STREAMS
LAMINAR FLOW
LAPLACE EQUATION GROUNDWATER BASINS RT AQUITARDS --HYDROLOGIC MODELS -SUBSURFACE WATERS UNDERGROUND STREAMS PERMEABILITY
PHREATIC LINE
SALT VELOCITY METHOD
(DISCHARGE MEASUREMENT) GROUNDWATER CHEMISTRY 2 BT CHEMISTRY WATER CHEMISTRY SAND BOILS THIEM TEST RT-- GROUNDWATER WELL THEORY -- pH TESTS GROUNDWATER GEOLOGY use HYDROGEOLOGY GROUNDWATER CONTAMINATION use GROUNDWATER POLLUTION GROUNDWATER HYDRAULICS 1 2 GROUNDWATER CONTROL (EXCAVATION) 2
RT DEWATERING
--DRAINAGE
DRAWDOWN BT HYDRAULICS RT DEWATERING DEWATERING
FLOW NETS
-GROUNDWATER
GROUNDWATER CONTROL
(EXCAVATION)
GROUNDWATER DEPLETION
-GROUNDWATER FLOW
GROUNDWATER HYDROLOGY
UNDROCEDINGY -EXCAVATION
-GROUNDWATER
GROUNDWATER
GROUNDWATER
FLOW
GROUNDWATER HYDRAULICS
GROUNDWATER LOWERING HYDROGEOLOGY -- HYDROLOGY GROUNDWATER DEPLETION BT DEPLETION RT ARTESIAN WATER DEWATERING GROUNDWATER HYDROLOGY 1 BT HYDROLOGY RT--AQUIFERS --DRAWDOWN --GROUNDWATER GROUNDWATER HYDRAULICS --GROUNDWATER GROUNDWATER HYDRAULICS GROUNDWATER RECHARGE --RIVERS -PUMPING
WATER ALLOCATION
WATER CONSERVATION
-WATER TABLE SALT WATER BARRIERS SALT WATER INTRUSION --WATER --WATER TABLE --WATER WELLS --WATERSHEDS GROUNDWATER ELEVATION 1
UF FREEWATER ELEVATION
PREEWATER SURFACE GROUNDWATER LEVEL 1 2
use GROUNDWATER ELEVATION GROUNDWATER LEVEL GROUNDWATER SURFACE RT--AQUIFERS GROUNDWATER LOWERING RT DEWATERING --DRAINAGE BORING LOGS DEWATERING --DRAINAGE
--DRAWDOWN
--GROUNDWATER
GROUNDWATER CONTROL
(EXCAVATION)
GROUNDWATER ELEVATION
SAND DRAINS
WELL THEORY
WELL THEORY FOUNDATION CONDITIONS FOUNDATION DEPTH -- GROUNDWATER GROUNDWATER CONTROL (EXCAVATION)
GROUNDWATER LOWERING
GROUNDWATER SUPPLY
HYDROGEOLOGY WELLPOINTS

GROUNDWATER MAPS BT MAPS RT--GROUNDWATER GROUNDWATER SUPPLY HYDROGEOLOGY GROUNDWATER POLLUTION 7
UF GROUNDWATER CONTAMINATION
BT POLLUTION
WATER POLLUTION RT GROUNDWATER GROUNDWATER QUALITY 1
RT--WATER POLLUTION
WATER QUALITY
WATER QUALITY CONTROL
WATER SAMPLING GROUNDWATER RECHARGE BT RECHARGE (WATER) RT--AQUIFERS -- ARTIFICIAL RECHARGE DRAINAGE SYSTEMS --FLOODING --GROUNDWATER GROUNDWATER DEPLETION
-HYDROLOGIC MODELS
INDUCED INFILTRATION INDUCED INFILTRATION
INFILTRATION WATER
INJECTION WELLS
NATURAL RECHARGE
RECHARGE WELLS
SALT WATER BARRIERS
SALT WATER INTRUSION
UNDERGROUND WATER STORAGE
WATER CONSERVATION
--WATER MENAGEMENT
--WATER RESOURCES MANAGEMENT -- WATER RESOURCES MANAGEMENT GROUNDWATER RESERVOIRS 1 2 7 use AQUIFERS GROUNDWATER RUNOFF 1
NOTE: That part of the ground-water which is discharged into a stream channel as spring or seepage water
RT--GROUNDWATER GROUNDWATER SOURCES NT INFLUENT STREAMS RT AQUIFERS AQUIPERS
GROUNDWATER
HYDROLOGIC CYCLE
PERCOLATION
--WATER MANAGEMENT
--WATER RESOURCES MANAGEMENT WATER TABLE GROUNDWATER SUPPLY BT WATER SUPPLY RT--GROUNDWATER GROUNDWATER ELEVATION GROUNDWATER MAPS HYDROGEOLOGY GROUNDWATER SURFACE USE GROUNDWATER ELEVATION GROUP ACTION (FOOTINGS)
use FOOTINGS GROUP ACTION (PILES)
use PILE GROUPS GROUP VELOCITY OF WATER WAVES USE WATER WAVE DISPERSION GROUP VELOCITY OF WAVES use WAVE DISPERSION GROUSERS (TRACK) 5 use TRACK GROUSERS UF CURTAINS 1 2 3 BT CURTAIN GROUTING GROUT CURTAINS

GROUT CURTAINS (Con.) T CURTAINS (COR.)
CORES (DAMS)
DAM FOUNDATION PREPARATION
DAM UNDERSEEPAGE
EMBANKMENT FOUNDATIONS
GROUT STOPS
--GROUTING -- GROUTS IMPERVIOUS CUTOFFS SEEPAGE CONTROL SEEPAGE CONTROL DESIGN SLURRIES WATERPROOFING (SOILS) GROUT STOPS 2 3 RT GROUT CURTAINS --GROUTING -- GROUTS GROUTING 1 2 3

UF FOUNDATION GROUTING
INJECTION GROUTING
PRESSURE GROUTING PRESSURE GROUTING
ASPHALT GROUTING
BENTONITE GROUTING
BLANKET GROUTING
CEMENT GROUTING
-CHEMICAL GROUTING
CLAY GROUTING
CONTACT GROUTING
ELECTROCHEMICAL INJECTION
FROYN GROUTING ELECTROCHEMICAL INJECTION
EPOXY GROUTING
POUNDATION GROUTING
JOOSTEN PROCESS
ROCK BOLT GROUTING
SEAM GROUTING
SOLI GROUTING
SOLIETANCH METHOD (GROUTING)
BOREHOLES CEMENTATION
DAM FOUNDATION PREPARATION DAM FOUNDATIONS -FOUNDATIONS GROUT CURTAINS GROUT STOPS -GROUTING EQUIPMENT GROUTING PUMPS -GROUTS
IMPERVIOUS CUTOFFS -LEAKAGE
PREPLACED AGGREGATE CONCRETE PUMPED CONCRETE RESERVOIR LEAKAGE RESERVOIR SEEPAGE ROCK FOUNDATIONS -SEALERS SEALING --SEEPAGE SEEPAGE CONTROL SLABJACKING SLURRIES -SOIL STABILIZATION TILES TUNNEL LININGS UNDERSEEPAGE CONTROL -- WATERPROOFING GROUTING EQUIPMENT 2 3 NT GROUTING PUMPS RT--GROUTING GROUTING PUMPS 2 3 BT GROUTING EQUIPMENT PUMPS RT--GROUTING PUMPED CONCRETE GROUTS 1 2 3 5

NT ASPHALT GROUTS

BENTONITE GROUTS

CALCIUM ACRYLATE GROUTS CEMENT GROUTS

CHROME LIGNIN GROUTS

```
GULLY EROSION 1
BT EROSION
RT ARROYOS
CHANNEL EROSION
--EROSION CONTROL
GULLIES
 GROUTS (Con.)
         -- CLAY GROUTS
EPOXY GROUTS
     SODIUM SILICATE GROUTS
--SOIL GROUTS
RT--ADMIXTURES
--CEMENTS
                                                                                                                     RAVINES
SOIL EROSION
STREAM EROSION
         --CLAYS
--FOAMING AGENTS
         --GELS
GROUT CURTAINS
GROUT STOPS
--GROUTING
                                                                                                         GUMBO SOIL 2
NOTE: Dark, sticky, highly
plastic clay
UF BUCKSHOT CLAY
BT CLAYEY SOILS
COHESIVE SOILS
         -- MORTARS (MATERIAL)
             MUD
             PLASTER
         -- SEALERS
            SLURRIES
                                                                                                          GUN LAUNCHERS
                                                                                                              BT LAUNCHERS
RT MISSILE LAUNCHERS
ROCKET LAUNCHERS
            TILES
             WATER RETENTIVITY (GROUTS)
 GUARD GATES
    NOTE: Emergency gates installed
in front of lock gates
BT HYDRAULIC GATES
                                                                                                          GUNITE 2 3
use SHOTCRETE
                                                                                                          GUNS (ORDNANCE)
BT WEAPONS
NT SMALL ARMS
RT--ARTILLERY
--BALLISTICS
            LOCK GATES
 GUIDE VANES 1
BT VANES
NT--HYDRAULIC TURBINES
                                                                                                                     CARTRIDGES (EXPLOSIVES)
EMPLACEMENTS
 GUIDE WALLS
     BT WALLS
RT CHUTES
                                                                                                                  --EXPLOSIVES
FIRE CONTROL
                                                                                                                  -- FRAGMENTATION AMMUNITION
INCENDIARY AMMUNITION
LIGHT ARTILLERY
MEDIUM ARTILLERY
        --FLOW CONTROL
FLOW DEFLECTORS
            HEADWALLS
         HEADWALLS
--OUTLET WORKS
SPILLWAY APPROACHES
--SPILLWAYS
STILLING BASINS
TRAINING WALLS
TRAINING WALLS
                                                                                                                  --ORDNANCE
--PROPELLANTS
                                                                                                          GUNSHOT WOUNDS
  NUIDED MISSILES 4 6
NOTE: Unmanned, self-propelled vehicle capable of having its trajectory changed in flight to correct its path for errors or target motion
BT MISSILES
RT AMMUNITION
BALLISTIC MISSILES
         -- TRANSITIONS (HYDRAULICS)
                                                                                                              UF BULLET WOUNDS
BT INJURIES
 GUIDED MISSILES
                                                                                                              WOUNDS
RT BATTLE INJURIES
                                                                                                          GUST LOADS
                                                                                                                                 1 2
                                                                                                                    DOADS 1 2 4
DYNAMIC LOADS
LOADS (FORCES)
AERODYNAMIC LOADS
BLAST LOADS
LATERAL PRESSURE
WIND PRESSURE
         BALLISTIC MISSILES
--BOMBS (UNDWARCE)
CONVENTIONAL WEAPONS
--INCENDIARY AMMUNITION
                                                                                                          GUSTS
                                                                                                             BT WIND (METEOROLOGY)
RT BLIZZARDS
         --MUNITIONS
        -- NUCLEAR FLAPONS
-- ORDNANCE
                                                                                                                     CYCLONES
         -- ROCKETS
UNDERWATER ROCKETS
                                                                                                                     HURRICANES
          -WARHEADS
                                                                                                                     SURGES
         --WEAPONS
                                                                                                                     THUNDERSTORMS
                                                                                                                     TORNADOES
GUILLOTINE GATES 1
BT HYDRAULIC GATES
                                                                                                                     TURBULENCE
                                                                                                                     TYPHOONS
WIND VELOCITY
           LOCK GATES
GULFS 1
BT SURFACE WATERS
                                                                                                         GUTTERS (PAVEMENTS)
                                                                                                                                                        2 3 5
                                                                                                             BT DRAINAGE STRUCTURES
RT--CULVERTS
           TOPOGRAPHIC FEATURES
AQUATIC HABITATS
BAYS (TOPOGRAPHIC FEATURES)
ESTUARIES
                                                                                                                CURBS
--DRAINAGE
--DRAINS
           SEA WATER
                                                                                                                    ROAD DRAINAGE
        --WATER
                                                                                                                 --SEWERS
                                                                                                                    SURFACE DRAINAGE
GULLIES 1 2
NOTE: Well-defined waterworn
                                                                                                                    SURFACE WATERS
   channels on a hillside
F ARROYOS
--CANYONS
                                                                                                        GUYED TOWERS 2
use ANCHORED TOWERS
                                                                                                        GYMNASIUMS 3
RT--RECREATIONAL FACILITIES
SCHOOL BUILDINGS
       --EROSION
GULLY EROSION
           RAVINES
        --STREAMS
```

WASHOUTS

GYRATORY COMPACTION TESTS 2 5
BT COMPACTION TESTS
SOIL TESTS (LABORATORY)
RT--COMPACTION (BITUMINOUS
MIXTURES)
FLEXIBLE PAVEMENT DESIGN
(AIRFIELDS)
FLEXIBLE PAVEMENT DESIGN
(HIGHWAYS)
GYRATORY METHOD DESIGN
(PAVEMENTS)
GYRATORY TESTING MACHINES
KNEADING COMPACTION TESTS GYPSITE use GYPSUM GYPSUM 2 3
UF GYPSITE
BT CALCIUM COMPOUNDS
CALCIUM SULFATES
EVAPORITES
MINERALS SULFATES ANHYDRITE -FILLERS
GYPSUM CEMENTS
GYPSUM SOILS
-PORTLAND CEMENTS
-SEDIMENTARY ROCKS
SUPERSULFATED CEMENT GYRATORY COMPACTORS 2 5
use GYRATORY TESTING MACHINES GYRATORY METHOD DESIGN GYPSUM CEMENTS (PAVEMENTS) 5
BT DESIGN
RT FLEXIBLE PAVEMENT DESIGN 3 CEMENTS HYDRAULIC CEMENTS RT--CALCIUM SULFATES
GYPSUM (AIRFIELDS)
FLEXIBLE PAVEMENT DESIGN
(HIGHWAYS)
GYRATORY COMPACTION TESTS
--PAVEMENT DESIGN HEMIHYDRATE OIL WELL CEMENTS PLASTER STUCCO GYRATORY TESTING MACHINES 2 5
UF GYRATORY COMPACTORS
BT COMPACTION EQUIPMENT
RT GYRATORY COMPACTION
TESTS SUPERSULFATED CEMENT GYPSUM EARTH 2 use GYPSUM SOILS GYPSUM SOILS 2

NOTE: Variety of gypsum containing dirt and sand
UF GYPSUM EARTH
BT CLAYEY SOILS
COMESIVE SOILS
RT GYPSUM
LAGOON DEPOSITS KNEADING COMPACTION

HAMMERMILLS 7
RT SOLID WASTES
--WASTE TREATMENT 2 H-BEAMS -BEAMS 2 3 4
BT BEAMS (SUPPORTS)
STRUCTURAL MEMBERS
RT CANTILEVER BEAMS
CONTINUOUS BEAMS HAMMERS (PILE) 2 use PILE HAMMERS H-PILES HAND AUGERS H BOMBS AUGERS EXPLORATION SAMPLERS use FUSION WEAPONS SAMPLERS
SOIL SAMPLERS
RT AUGER CORE BARRELS
--POWER AUGERS H-PILES BT PILES STEEL PILES RT DRILLED-IN CAISSONS H-BEAMS HAND TAMPERS (COMPACTION)
UF RAMMERS (COMPACTION)
BT COMPACTION EQUIPMENT 2 3 5 HABITAT IMPROVEMENT 7
BT WILDLIFE MANAGEMENT
RT MARSH MANAGEMENT
WATERSHED MANAGEMENT CONSTRUCTION EQUIPMENT BACKFILLS IMPACT COMPACTION TAMPING WILDLIFE WILDLIFE CONSERVATION WILDLIFE HABITATS VIBRO-TAMPERS HABITATS 1 7
NOTE: Sum total of environmental conditions of a specific place that is occupied by an organism, a population or a community
NT AQUATIC HABITATS
TERRESTRIAL HABITATS
WILDLIFE HABITATS
WILDLIFE HABITATS
ANIMAL BEHAVIOR
ASSOCIATION HAND TESTS 2 BT FIELD TESTS DILATANCY TESTS (SOILS)
DRY STRENGTH TESTS (SOILS)
SURFACE TESTS (SOILS)
TOUGHNESS TESTS (SOILS) RT SOIL CLASSIFICATION HANDBOOKS 5 6 BT DOCUMENTS RT--MANUALS ASSOCIATION
--BIOLOGICAL COMMUNITIES HANGARS 2 3 5
BT BUILDINGS
RT AIRCRAFT SHELTERS
AIRPORT CONSTRUCTION BIOLOGY --BIOMES --COMMUNITY --ENVIRONMENTAL EFFECTS
--ENVIRONMENTS AIRPORTS
HELIPORT CONSTRUCTION HELIPORTS --SUCCESSION HARBOR DEFENSE 1 RT HARBOR ENGINEERING WILDLIFE CONSERVATION HARBORS BT ICE HARBOR ENGINEERING 1 2 4 6 RT--BREAKWATERS PRECIPITATION (METEOROLOGY) RT--FREEZING HYDROMETEOROLOGY --STORMS COASTAL ENGINEERING --DOCKS --DCC KS
DREDGING
EXPLOSIVE EXCAVATION
HARBOR DEFENSE
--HARBOR FACILITIES
HARBOR OSCILLATIONS
HARBOR SILTING
--HARBOR STRUCTURES HAIR CRACKS IR CRACKS 2 3
use CONCRETE CRACKING
ROCK FRACTURE HALF-LIFE 7 NOTE: Time it takes certain materials, such as persistent pesticides or radioactive HARBORS -- HYDRAULIC ENGINEERING isotopes, to lose half their strength RT DDT
--DECOMPOSITION GEIGER COUNTERS **JETTIES** MARINE ENGINEERING SEA WALLS HARBOR FACILITIES 1 2 3 4
UF PORT FACILITIES
NT--DOCKS --PESTICIDES --RADIOACTIVE ISOTOPES HALLOYSITE 2 3
BT CLAY MINERALS
MINERALS
SILICATE MINERALS --DOCKS
FLOATING DOCKS
--HARBOR STRUCTURES
PIERS (DOCKS) RT KAOLINITE WHARVES HARBOR ENGINEERING HALOPHYTES ALOPHYTES 7
NOTE: Plants which grow in salty soil or water
BT PLANTS (BOTANY)
RT ARID LANDS
XEROPHYTES HARBORS -- MILITARY FACILITIES HARBOR MODELS 1 RT TIDAL MODELS HARBOR OSCILLATIONS
UF HARBOR RESONANCE
HARBOR RESPONSE
HARBOR SURGES HAMMER MILLING BT COMMINUTION RT GRANULATION

GRINDING (COMMINUTION)

RESONATORS (WAVES)

HARBOR OSCILLATIONS (Con.)
RT HARBOR ENGINEERING
OSCILLATIONS (HYDRAULICS) SEICHES -WATER WAVE ACTION HARBOR RESONANCE 1
use HARBOR OSCILLATIONS HARBOR RESPONSE use HARBOR OSCILLATIONS HARBOR SILTING 1
UF SILTING OF HARBORS
RT HARBOR ENGINEERING HARBOR STRUCTURES 1 2 3 4
UF PORT FACILITIES
BT HARBOR FACILITIES
MARINE STRUCTURES BOAT LAUNCHING RAMPS -- DOCKS DOLPHINS --DRY DOCKS FLOATING DOCKS JETTIES. MARINAS MOORINGS PIERS (DOCKS) QUAY WALLS RUBBLE-MOUND BREAKWATERS WHARVES RT--BREAKWATERS --BULKHEADS -- COASTAL STRUCTURES HARBOR ENGINEERING HARBORS **JETTIES** SEA WALLS --UNDERWATER STRUCTURES

HARBOR SURGES 1
use HARBOR OSCILLATIONS

HARBORS 1 2 3 4
UF SEAPORTS
BT NAVIGABLE WATERS
RT--BREAKWATERS
--CIVIL ENGINEERING
COASTAL ENGINEERING
DESIGN WAVE
--DOCKS
DOLPHINS
--EXCAVATION
--EXPLOSIVE EXCAVATION
FIKED-BED MODELS
HARBOR DEFENSE
HARBOR FACILITIES
--HARBOR FACILITIES
--HARBOR STRUCTURES
--INLAND WATERWAYS
INLETS (WATERWAYS)
JETTIES
LIGHTHOUSES
MARINAS
MARINE TERMINALS
MOCRINGS
NUCLEAR EXCAVATION
PIERS (DOCKS)
SEA WALLS
SHORE PROTECTION
UNDERWATER EXCAVATION
--WATERWAYS (TRANSPORTATION)
WHARVES

HARD METAL TEETH CORE BARRELS
BT CORE BORING SAMPLERS
ROTARY CORE BARRELS
SAMPLERS
RT--ROCK SAMPLERS
--SOIL SAMPLERS

HARDENED INSTALLATIONS 2 3 4

NOTE: Installations constructed
so that they are likely to
survive a nuclear attack
UF HARDENED STRUCTURES
BT MILITARY FACILITIES
RT BLAST RESISTANT STRUCTURES
--FORTIFICATIONS
HARDENING (SYSTEMS)
--LAUNCHING SITES
MILITARY ENGINEERING
MISSILE FACILITIES
MISSILE FACILITIES
MISSILE LAUNCHING SITES
MISSILE SILOS
NUCLEAR WARFARE DEFENSE
--PROTECTIVE STRUCTURES
TARGET VULNERABILITY
--UNDERGROUND CONSTRUCTION
--UNDERGROUND STRUCTURES

HARDENED STRUCTURES 2 3 4

HARDENING (CONCRETE) 3

HARDENING (MATERIALS) 3
NT CONCRETE HARDENING
RT--CURING
--HYDRATION
MICROSTRUCTURE

HARDENING RATE TESTS
BT CONCRETE TESTS
RT CEMENT SETTING

HARDENING (SYSTEMS) 4
RT HARDENED INSTALLATIONS
MISSILE DEFENSE
NUCLEAR WARFARE DEFENSE
TARGET VULNERABILITY
WEAPON SYSTEMS

HARDNESS 3 4 5
BT MECHANICAL PROPERTIES
NT ICE HARDNESS
MICROHARDNESS
SNOW HARDNESS
ST ARRASION RESISTANCE
AGGREGATE TESTS
BRITTLENESS
--COMPRESSIVE PROPERTIES
DUCTILITY
FATIGUE (MATERIALS)
FRACTURE OF SOLIDS
FRACTURE PROPERTIES
HARDNESS TESTS
IMPACT STRENGTH
--PENETRATION RESISTANCE
PENETRATION RESISTANCE
PENETRATION RESISTANCE (SOILS)
PLASTICITY
--TENSILE PROPERTIES
WEAR
--WEAR RESISTANCE

HARDNESS TESTERS 4
BT MEASURING INSTRUMENTS
RT HARDNESS TESTS

HARDNESS TESTS 2 3 4
RT ACCEPTANCE TESTS
--AGGREGATE TESTS
FRACTURE OF SOLIDS
--HARDNESS
HARDNESS TESTERS
--IMPACT TESTS
LOW TEMPERATURE TESTS
PENETRATION TESTS
RADIATION TESTS
--ROCK TESTS (LABORATORY)
--STATIC TESTS
--TENSION TESTS
TEST PROCEDURES

PLOSIONS 2 4
HIGH EXPLOSIVE EXPLOSIONS
EXPLOSIONS HARDNESS TESTS (Con.)
TOUGHNESS TESTS (SOILS)
--WEAR TESTS HE EXPLOSIONS EXPLOSIONS
CRATER EJECTA
GROUND SHOCK
HIGH EXPLOSIVE CRATERS
HIGH EXPLOSIVE SIMULATION
TECHNIQUE (HEST)
SHOCK SPECTRA HARDNESS (WATER) 1 RT WATER PROPERTIES WATER QUALITY HARDPAN 2
NOTE: Layer of extremely dense soil
RT CALICHE
CEMENTATION
--CLAYEY SOILS HEAD (FLUID MECHANICS) 1 HIGH HEAD LOW HEAD POWER HEAD
PRESSURE HEAD
VELOCITY HEAD
RT ELEVATION HARDWARE (COMPUTERS) 6
use COMPUTER SYSTEMS HARDWARE -FLUID FLOW
HEAD LOSSES
HYDRAULIC GRADIENTS
-HYDRAULICS HARMONIC ANALYSIS 6
BT FUNCTIONAL ANALYSIS
RT--POURIER ANALYSIS
HARMONIC FUNCTIONS HYDROSTATIC PRESSURE HYDROSTATICS --LIQUID FLOW HARMONIC FUNCTIONS 6
BT COMPLEX VARIABLES
FUNCTIONS (MATHEMATICS)
RT HARMONIC ANALYSIS EAD GATES 1
NOTE: Gates at entrances to
conduits; gates at high level
end of locks HEAD GATES CONDUITS HYDRAULIC GATES BT HARMONICS RT--ACOUSTICS STANDING WAVES (WATER) LOCK GATES --VIBRATIONS HAULING 2 RT--DAM CONSTRUCTION HEAD LOSSES LOSSES 1
ENERGY LOSSES (HYDRAULICS)
HYDRAULIC LOSS
LOSS OF HEAD
TRANSITION LOSSES EARTHWORK
--EMBANKMENT CONSTRUCTION -EMBANNEHT CONSTRUCTION
RESERVOIR CONSTRUCTION
-ROAD CONSTRUCTION
-TRANSPORTATION
TUNNEL CONSTRUCTION THANSITION LOSSES
RT SELLMOUTHS
CONTRACTIONS (HYDRAULICS)
DARCY-WEISBACH EQUATION
DARCYS LAW
EMERGY DISSIPATION
EMERGY GRADIENTS
EMTRANCES (FLUID FLOW)
EXPANSIONS (HYDRAULICS) HAYDITE 3 HAZARDOUS MATERIALS 4 6 7
NT--POISONS
RT--EXPLOSIVES
--HAZARDS --FLOW --FLUID FLOW --FLUID FLOW
FLUID RESISTANCE
--GRADIENTS
--HEAD (FLUID MECHANICS)
HYDRAULIC DESIGN
HYDRAULIC GRADIENTS
HYDRAULIC JUMP
HYDRAULIC RADIUS
HYDROUYNAMICS
HYDROUYNAMICS -- HAZARDS
MATERIALS HANDLING
-- PESTICIDES POL STORAGE RADIOACTIVE WASTES SAFETY SAFETY ENGINEERING HYDROSTATICS
KUTTER FORMULA
-LIQUID FLOW
MANIFOLDS HAZARDS 4 7
NT PIRE HAZARDS
RADIATION HAZARDS
RT ACCIDENTS
--EXPLOSIONS MANIFOLDS
PIEZOMETERS
PIPE FITTINGS
PLUG VALVES
--PRESSURE GRADIENTS
PRESSURE HEAD
ROUGHNESS COEFFICIENT
SUBMERGED SILLS
TURBULENT FLOW
WATER TUNNELS (TESTING) PIRES HAZARDOUS MATERIALS --INJURIES
SAFETY
SAFETY DEVICES
SAFETY ENGINEERING TOXICOLOGY WARNING SYSTEMS HAZE HEAD RACE use POO HEADBAYS 1 NOTE: That part of a lock immediately above the head HAZEN-WILLIAMS EQUATION 1 BT RESISTANCE EQUATIONS RT DISCHARGE MEASUREMENT gates RT HEAD GATES --FLOW HYDRAULIC GRADIENTS HYDRAULIC RADIUS MANNING EQUATION LOCKS (WATERWAYS) HEADER LINES 1 2

The second second

-- PIPES

ROUGHNESS COEFFICIENT

```
HEADER PIPES
                                                                                                                              HEAT (Con.)
                                                                                                                                       T (COn.)

-THERMAL MEASURING INSTRUMENTS
THERMAL POLLUTION

-THERMAL PROPERTIES
THERMAL RADIATION
THERMAL RESISTANCE
THERMAL STABILIZATION
THERMAL STABILIZATION
THERMAL STABILIZATION
THERMAL STABILIZATION
THERMAL STABILIZATION
THERMODYNAMICS
    UF HEADER LINES
BT CONDUITS
             PIPES
    RT COLLECTOR PIPES
DEEP WELLS (DEWATERING)
DEWATERING
              WELLPOINTS
    EADWALLS 1
BT WALLS
RT APRONS (HYDRAULIC
STRUCTURES)
                                                                                                                                            THERMOMETERS
HEADWALLS
                                                                                                                                  AT BUDGET 7

NOTE: Amount of heat expressed in gram calories that is necessary to raise the temperature of a body of water from the winter to summer temperature BT ENERGY BUDGET

RT ENERGY BUDGET

RT ENERGY BALANCE

--ENVIRONMENTS

HEAT TRANSFER
         --CANALS
         --CULVERTS
--FLOW CONTROL
--FLUMES (WATER CONVEYANCE
STRUCTURES)
OUIDE WALLS
HEADWORKS
         -- INTAKE STRUCTURES
-- INTAKES
-- OUTLET WORKS
                                                                                                                                        HEAT TRANSFER
                                                                                                                                             THERMAL STRATIFICATION
             TRAINING WALLS
WATER WAVE SUPPRESSORS
                                                                                                                              HEAT CAPACITY 3
use SPECIFIC HEAT
HEADWATERS
                                                                                                                              HEAT CONDUCTION 1 2 3 4 7 use HEAT TRANSMISSION
     RT--RIVERS
--STREAMS
          --WATERSHEDS
                                                                                                                               HEAT CONDUCTIVITY 1 2 3 4 6
USe THERMAL CONDUCTIVITY
HEADWORKS
     RADWORKS 1
RT APROMS (HYDRAULIC
STRUCTURES)
                                                                                                                              HEAT DISSIPATION 1 6 7 use COOLING
         --CANALS
DIVERSION DAMS
--DIVERSION WORKS
ENTRANCES (FLUID FLOW)
FISH SCREENS
                                                                                                                               HEAT EXCHANGE
                                                                                                                                                                       2 3 4 6 7
                                                                                                                                   USE HEAT TRANSFER
                                                                                                                               HEAT FLOW 1 2
          --FLOW
                                                                                                                                    use HEAT TRANSMISSION
          -- FLOW CONTROL
         HEADWALLS
--HYDRAULIC ENGINEERING
--HYDRAULIC GATES
--INTAKE STRUCTURES
                                                                                                                               HEAT FLOW TESTS 3
BT CONCRETE TESTS
RT HEAT TRANSMISSION
         -- INTAKES
-- OUTLET WORKS
                                                                                                                                        --WALLS
         --OUTLETS
OVERPLOW
TRAINING WALLS
                                                                                                                              HEAT FLUX 7
RT HEAT TRANSFER
                                                                                                                               HEAT LOSS
                                                                                                                                  RT COOLING
HEAT
             1 2 3 4 6 7
HEAT OF HYDRATION
WASTE HEAT
ADIABATIC CONDITIONS
                                                                                                                                            ENERGY BALANCE
                                                                                                                                        --HEAT
HEAT TRANSFER
             CONVECTION
ELECTRICAL ENERGY
                                                                                                                                        -- TEMPERATURE
                                                                                                                              HEAT MEASUREMENT 3 6 7
UF CALORIMETRY
BT THERMAL MEASUREMENTS
RT CALORIMETERS
             ENTROPY
GEOTHERMOMETRY
             HEAT LOSS
HEAT MEASUREMENT
HEAT RESISTANT MATERIALS
HEAT SHIELDING
                                                                                                                                        --HEAT
HEAT TRANSMISSION
             HEAT SINKS
HEAT TRANSFER
HEAT TRANSMISSION
HEAT TREATMENT
                                                                                                                                        PYROMETERS
--TEMPERATURE
                                                                                                                                            TEMPERATURE CONTROL
TEMPERATURE MEASURING
                                                                                                                                        INSTRUMENTS
--THERMAL MEASURING
INSTRUMENTS
THERMOCOUPLES
         --HEATING
--MECHANICAL ENERGY
           NUCLEAR REACTORS
-RADIATION
            ROCK MELTING
ROCK MELTING PEMETRATORS
STEAM POWER PLANTS
-TEMPERATURE
                                                                                                                                            THERMOMETERS
                                                                                                                             HEAT OF HYDRATION 2 3

NOTE: Amount of heat consumed or liberated when a substance takes up water
UF HEAT OF SETTING (CONCRETE)
BT CHEMICAL PROPERTIES
CONCRETE THERMAL PROPERTIES
HEAT
THERMAL PROPERTIES
            TEMPERATURE EFFECTS
THAWING
         THAWING
-THERMAL ANALYSIS
THERMAL CONDUCTIVITY
THERMAL EMERGY
THERMAL EXFANSION
THERMAL INSULATION
THERMAL MEASUREMENTS
```

HEAT OF HYDRATION (Con.) RT CALORIMETERS HEAT SINKS (Con.)
HEAT SHIELDING C CALORIMETERS
CEMENT HYDRATION
--CEMENT PROPERTIES
--CHEMICAL REACTIONS
CONCRETE TEMPERATURE
HEAT OF SOLUTION
--HYDRATION
HYDRATION REACTION RATES
PORTLAND CEMENT PHYSICAL
DEPORTERS THERMAL CONDUCTIVITY THERMAL INSULATION EAT TRANSFER 1 2 3 4 6 7
NOTE: Process of removing
heat from a hot body or
fluid to another, usually
through an intervening wall
UF HEAT EXCHANGE
RT ADVECTION
CONVERTION HEAT TRANSFER PROPERTIES -- PORTLAND CEMENT PHYSICAL CONVECTION COOLING TESTS THERMODYNAMICS DIFFUSION ENERGY BALANCE ENERGY TRANSFER HEAT OF SETTING (CONCRETE)
USe HEAT OF HYDRATION --HEAT --HEAT
HEAT BUDGET
HEAT FLUX
HEAT LOSS
HEAT SHIELDING
HEAT TRANSMISSION
--HEATING HEAT OF SOLUTION 3

NOTE: Heat evolved by the solution of a material in a solvent
BT CHEMICAL PROPERTIES
CONCRETE THERMAL PROPERTIES THERMAL PROPERTIES HEAT OF HYDRATION SOIL CONDUCTIVITY
--TEMPERATURE -TEMPERATURE
THERMAL CONDUCTIVITY
THERMAL DIFFUSIVITY
THERMAL GRADIENTS
THERMAL INSULATION
-THERMAL PROPERTIES
THERMAL RADIATION
THERMAL RADIATION
THERMAL RESISTANCE
THERMODYNAMICS SOLVENTS HEAT POLLUTION 1 7
use THERMAL POLLUTION HEAT PROPERTIES 1 2 3 4 6 use THERMAL PROPERTIES HEAT PUMPS 6
BT AIR CONDITIONING EQUIPMENT
RT AIR CONDITIONERS
AIR CONDITIONING TURBULENCE WASTE HEAT HEAT TRANSMISSION 1 2 3 4 6 7
UF FLOW OF HEAT
HEAT CONDUCTION
HEAT FLOW COOLING SYSTEMS REFRIGERATING MACHINERY HEAT RADIATION 3 4 7
use THERMAL RADIATION RT CONVECTION --ELECTROMAGNETIC WAVE TRANSMISSION HEAT RESISTANCE 2 3 4 6 USE THERMAL RESISTANCE -- FLUID FLOW HEAT FLOW TESTS
HEAT MEASUREMENT
HEAT SHIELDING
HEAT TRANSFER
KELVIN FUNCTIONS HEAT RESISTANT MATERIALS 2 3 4 6 ALKYD RESINS ALUMINATE CEMENTS ASBESTOS DIATOMACEOUS EARTH KELVIN FUNCTIONS
--RADIATION
SOIL CONDUCTIVITY
STEADY FLOW
STEADY STATE
TEMPERATURE DISTRIBUTION
THERMAL CONDUCTIVITY
THERMAL DIFFUSIVITY
THERMAL INSULATION
--THERMAL PROPERTIES
THERMAL PROPERTIES
THERMAL RESISTANCE
THERMAL RESISTANCE
TRANSIENT FLOW GLASS FIBERS --HEAT --INSULATION JET BLAST RESISTANT MATERIALS MICAS POLYESTER RESINS
--POLYETHER RESINS
--REFRACTORY MATERIALS
SILICONE RESINS --THERMAL PROPERTIES THERMAL RESISTANCE TRANSIENT FLOW UNIFORM FLOW UNSTEADY FLOW VERMICULITE HEAT RESISTANT STRUCTURES 4
use THERMAL RESISTANT STRUCTURES HEAT TREATMENT 2 3 RT DEHYDRATION HEAT SHIELDING UF THERMAL SHIELDING SHIELDING ABLATION --THERMAL PROPERTIES THERMAL SOIL STABILIZATION HEAT SINKS
HEAT TRANSFER
HEAT TRANSMISSION
TEMPERATURE CONTROL
THERMAL CONDUCTIVITY
THERMAL INSULATION HEATING 3 6 7
NT INFRARED HEATING
--RADIANT HEATING
SOLAR HEATING
RT AIR CONDITIONING
CONVECTION HEAT SINKS DECOUPLING COOLING

DEICING

HEAT

HEAVYWEIGHT CONCRETES (Con.)
RT CONCRETE SHIELDING HEATING (Con.)
ENVIRONMENTAL ENGINEERING --HEAT HEAT TRANSFER HEAT TREATMENT --ICE CONTROL HEAVYWEIGHT AGGREGATES
--RADIATION EFFECTS
RADIATION SHIELDING HEIGHT-OF-BURST 4 5
RT AERIAL EXPLOSIONS
AIR BLAST PREDICTIONS
AIR BLAST WAVES SALAMANDERS -TEMPERATURE TEMPERATURE CONTROL TEMPERATURE DISTRIBUTION THERMAL SHOCK THERMAL STRESSES --EXPLOSIONS MUNITION EFFECTIVENESS HEAVING (FROST) 2 5 HELICAL AUGERS use FROST ACTION BT AUGERS EXPLORATION SAMPLERS HEAVING (SOIL) 2 5 use SOIL SWELLING POWER AUGERS SAMPLERS SOIL SAMPLERS RT CONTINUOUS FLIGHT AUGERS HEAVY ARTILLERY
BT ARTILLERY
WEAPONS HELICOPTER LANDING PADS 2 5 NOTE: Prepared area designated to accommodate HEAVY COMPACTION TESTS 2
use MODIFIED COMPACTION TESTS takeoff and landing of helicopters
UF HELIPADS
LANDING PADS (HELICOPTERS)
BT AIRCRAFT LANDING AREAS
RT HELICOPTER LANDING ZONES HEAVY DUTY FLOORS BT FLOORS HEAVY DUTY LANDING MATS
BT LANDING MATS HELICOPTERS
HELIPORT CONSTRUCTION HELIPORTS
--LANDING MATS
MEMBRANES (AIRFIELDS) HEAVY LOAD PAVEMENTS 5 BT PAVEMENTS
RT FIBER REINFORCED PAVEMENTS
--RIGID PAVEMENTS HELICOPTER LANDING ZONES 5
BT AIRCRAFT LANDING AREAS
RT EXPEDIENT CONSTRUCTION
--EXPLOSION EFFECTS HEAVY MEDIA SEPARATION RT--AGGREGATES HELICOPTER LANDING PADS HELICOPTERS BENEFICIATION SAVY METALS 3 7 NOTE: Metallic elements with high molecular weights, generally toxic in low concentrations to plant and animal life HEAVY METALS HELIPORTS --LANDING FIELDS VEGETATION CLEARING HELICOPTERS 2 4 5
BT AIRCRAFT
RT HELICOPTER LANDING PADS
HELICOPTER LANDING ZONES BT METALS NT CADMIUM LEAD HELIPORTS MANGANESE JET AIRCRAFT
--MILITARY AIRCRAFT
PATROL AIRCRAFT
RECONNAISSANCE AIRCRAFT MERCURY ZINC RT CHEMICAL WASTES WATER POLLUTION SOURCES SHORT TAKEOFF AND LANDING SHORT TAKEOFF AND LAI AIRCRAFT TRAINING AIRCRAFT TRANSPORT AIRCRAFT VERTICAL TAKEOFF AND LANDING AIRCRAFT HEAVY MINERALS 2 3 NOTE: Minerals whose specific gravities are greater than 2.9
BT MINERALS
NT BARITE HEMATITE HELIPADS 2 5 use HELICOPTER LANDING PADS MAGNETITE HELIPORT CONSTRUCTION PYRITE BI CONSTRUCTION 2 5
BT CONSTRUCTION
RT AIRPORT CONSTRUCTION
APRONS (AERONAUTICS)
--COMPACTION EQUIPMENT
--EARTH HANDLING EQUIPMENT
--EARTH HANDLING EQUIPMENT URANINITE RT--METALLIC MINERALS HEAVYWEIGHT AGGREGATES 2 3 5 AGGREGATES GRANULAR MATERIALS EARTHWORK HANGARS
HELICOPTER LANDING PADS
HELIPORT DESIGN
HELIPORT DRAINAGE CONCRETE AGGREGATES HEAVYWEIGHT CONCRETES ILMENITE PARKING AREAS
--PAVING EQUIPMENT
--ROAD MACHINERY
SLIP FORMS LIMONITE MAGNETITE METAL SCRAP HEAVYWEIGHT CONCRETES 2 -- SPREADERS UF HIGH DENSITY CONCRETE BT CONCRETES HELIPORT DESIGN 2 5 UF HELIPORT PLANNING

HELIPORT DESIGN (Con.) HERBACEOUS COVER use VEGETATIVE COVER BT DESIGN RT AIRPORT DESIGN HELIPORT CONSTRUCTION HELIPORT DRAINAGE HELIPORT LIGHTING HELIPORT MARKING HERBICIDES NOTE: Chemical substance used for killing plants, particularly weeds, also HELIPORT SITE SELECTION BT PESTICIDES POISONS
RT AQUATIC PLANT CONTROL
--PLANTS (BOTANY)
--WEED CONTROL HELIPORT DRAINAGE 2 5 BT DRAINAGE 2 5
BT DRAINAGE
HELIPORT DRAINAGE
HELIPORT CONSTRUCTION
HELIPORT DESIGN
HELIPORT MINTENANCE
HELIPORT SITE SELECTION
SUBSURFACE DRAINAGE HERBIVORES NOTE: Organisms which es living plants or plant parts (e.g., seeds) BT VERTEBRATES RT FOOD CHAINS NICHES Organisms which eat SURFACE DRAINAGE HELIPORT LIGHTING BT LIGHTING
RT AIRPORT LIGHTING
HELIPORT DESIGN
HELIPORT MAINTENANCE TROPHIC LEVEL VEGETATION HERSCHEL WEIRS HELIPORT MAINTENANCE 2 5 BT WEIRS BT MAINTENANCE
FT AIRPORT MAINTENANCE
HELIPORT DRAINAGE
HELIPORT LIGHTING
HELIPORT MARKING
PAVEMENT DETERIORATION HEST use HIGH EXPLOSIVE SIMULATION TECHNIQUE (HEST) HEXALEG BLOCK 1 NOTE: Precast concrete armor units BT ARMOR UNITS HELIPORT MARKING 2 5 BT MARKING
RT AIRPORT MARKING
HELIPORT DESIGN
HELIPORT MAINTENANCE HEXAPODS 1
NOTE: Precast concrete armor units HELIPORT PLANNING 2 5 use HELIPORT DESIGN BT ARMOR UNITS HIGH ALKALI CEMENTS BT PORTLAND CEMENTS
RT ALKALI CONTENT (CEMENT)
--ALKALIES HELIPORT SITE SELECTION 2 5 BT SITE SELECTION
RT AIRPORT SITE SELECTION
HELIPORT DESIGN PORTLAND CEMENT COMPOUND HELIPORT DRAINAGE COMPOSITION HIGH ALTITUDE EXPLOSIONS HELIPORTS 2 5 ELIFORTS 2 5
NOTE: Group of facilities designed for takeoff, landing, servicing, fueling, and parking of rotary-wing aircraft
RT--AIRCRAFT LANDING AREAS
--AIRFIELDS
ALEDDETS IGH ALTITUDE EXPLOSIONS 4
NOTE: Explosions occurring
above about 50 km
BT EXPLOSIONS
RT AERIAL EXPLOSIONS
--NUCLEAR EXPLOSIONS HIGH DENSITY CONCRETE 2 use HEAVYWEIGHT CONCRETES AIRPORTS APRONS (AERONAUTICS) HANGARS HIGH EARLY STRENGTH CEMENTS 2 3 UF PORTLAND CEMENT TYPE 3 HELICOPTER LANDING PADS UF PORTLANI BT CEMENTS HELICOPTER LANDING ZONES HELICOPTERS HYDRAULIC CEMENTS --LANDING FIELDS PARKING AREAS PORTLAND CEMENTS HIGH EXPLOSIVE AMMUNITION
BT AMMUNITION
RT--BOMBS (ORDNANCE)
--EXPLOSIVE CHARGES EMATITE 2 3 BT HEAVY MINERALS IRON ORES METALLIC MINERALS -- EXPLOSIVES MINERALS GRENADES RT DRILLING FLUIDS HIGH EXPLOSIVE WARHEADS MUNITION BURSTS IRON IRON OXIDES HIGH EXPLOSIVE CRATERING HEMIHYDRATE 3 UF CALCIUM SULFATE use HIGH EXPLOSIVE CRATERS HIGH EXPLOSIVE CRATERS 2 4
UF HIGH EXPLOSIVE CRATERING
BT CRATERS
RT-BLAST EFFECTS
CRATER EJECTA
CRATER FALLBACK
--EXPLOSION EFFECTS
--EXPLOSIVE EXCAVATION (HEMIHYDRATE)
PLASTER OF PARIS
CALCIUM COMPOUNDS SULFATES RT GYPSUM GYPSUM CEMENTS

HENRYS LAW 1 RT VAPOR PRESSURE

HIGH EXPLOSIVE CRATERS (Con.) HIGH SPEED PHOTOGRAPHY (Con.)
--FILMS (PHOTOGRAPHY) HE EXPLOSIONS NUCLEAR CRATERS PHOTOGRAPHIC ANALYSIS
--PHOTOGRAPHIC EQUIPMENT -- PHOTOGRAPHS HIGH EXPLOSIVE EXPLOSIONS 2 4 SCHLIEREN PHOTOGRAPHY use HE EXPLOSIONS HIGH EXPLOSIVE SIMULATION TECHNIQUE (HEST) 2 4 HIGH STRENGTH BOLTS
BT BOLTS
FASTENERS UF HEST RT--AIR BLAST SIMULATORS RT STRUCTURAL BOLTS HE EXPLOSIONS
HIGH PRESSURE
--NUCLEAR EXPLOSION EFFECTS
NUCLEAR EXPLOSION HIGH STRENGTH CONCRETES 3 BT CONCRETES RT PRESTRESSED CONCRETE SIMULATION SOIL DYNAMICS HIGH STRENGTH STEELS BT STEELS RT--REINFORCING STEELS HIGH EXPLOSIVE WARHEADS WARHEADS
HIGH EXPLOSIVE AMMUNITION
MISSILE WARHEADS
NUCLEAR WARHEADS PRESTRESSING STEELS STRUCTURAL STEELS HIGH TEMPERATURE 3
BT TEMPERATURE
RT FIRE RESISTANCE HIGH EXPLOSIVES 3 4 use EXPLOSIVES FIRE TESTS HIGH TEMPERATURE TESTS
RT BRITTLENESS HIGH HEAD GH HEAD 1
BT HEAD (FLUID MECHANICS)
FT FLUNGE BASINS
--REACTION TURBINES
--REVERSIBLE TURBINES --CHEMICAL TESTS CONCRETE CREEP TESTS -- CREEP TESTS FATIGUE TESTS WATER HAMMER FIRE TESTS
--HYDROSTATIC TESTS
--IMPACT TESTS
LOW TEMPERATURE TESTS HIGH PRESSURE 1 2
BT PRESSURE
RT HIGH EXPLOSIVE SIMULATION
TECHNIQUE (HEST)
LOW PRESSURE PLASTICITY TESTS RADIATION TESTS --SHEAR TESTS
--STATIC TESTS
STRESS RELAXATION TESTS HIGH PRESSURE AREAS use ANTICYCLONES -- TEMPERATURE HYDRAULIC GATES
FIXED WHEEL GATES
GATE HOISTS
HYDROFIES HIGH PRESSURE GATES TEMPERATURE CONTROL
--TENSION TESTS BT THERMAL CONDUCTIVITY
--THERMAL PROPERTIES HYDROELECTRIC PLANTS THERMAL RESISTANCE THERMAL SHOCK -- OUTLET WORKS --WEAR TESTS HIGH PRESSURE STEAM CURING use AUTOCLAVING HIGH VELOCITY FLOW (OPEN CHANNELS) 1 HIGH PRESSURE VALVES use SUPERCRITICAL FLOW BT VALVES RT HOLLOW JET VALVES --HYDRAULIC VALVES HIGH WATER MARK 1 RT--STREAM FLOW PLUG VALVES
--PNEUMATIC VALVES HIGHWAY BRIDGES 3 4 BT BRIDGES HIGHWAY STRUCTURES HIGH PRESSURE WATER 3 NOTE: Water under high pressure RT AIR WATER JETS CONSTRUCTION JOINTS ARCH BRIDGES CANTILEVER BRIDGES GIRDER BRIDGES --HIGHWAYS RAILROAD BRIDGES RIGID FRAME BRIDGES SUSPENSION BRIDGES SAND BLASTING --WATER HIGH RISE BUILDINGS HIGHWAY CONSTRUCTION 2
use ROAD CONSTRUCTION use SKYSCRAPERS 2 3 5 HIGH SPEED CAMERAS HIGHWAY DESIGN use ROAD DESIGN 2 use HIGH SPEED PHOTOGRAPHY HIGH SPEED GROUND TRANSPORTATION BT TRANSPORTATION HIGHWAY EMBANKMENTS 2 5 BT EMBANKMENTS
HIGHWAY STRUCTURES
RT CULVERTS HIGH SPEED PHOTOGRAPHY 1 UF CAMERAS (HIGH SPEED) HIGH SPEED CAMERAS EARTHWORK HIGHWAYS
-ROAD CONSTRUCTION
ROAD DESIGN
ROAD ENGINEERING PHOTOGRAPHY AERIAL PHOTOGRAPHY COLOR PHOTOGRAPHY

--ROADS

HIGHWAY EMBANKMENTS (Con.) -- SLOPE PROTECTION TEST EMBANKMENTS HIGHWAY ENGINEERING 2 2 3 5 6 HIGHWAY LOADS 2 3 5 use TRAFFIC LOADS HIGHWAY RESEARCH 2 2 3 5 HIGHWAY STRUCTURES 2 3 4 5 NT HIGHWAY BRIDGES HIGHWAY EMBANKMENTS RT--BRIDGES CAST-IN-PLACE STRUCTURES CONCRETE RAMPS -CULVERTS -- DRAINAGE STRUCTURES HIGHWAYS -- PAVEMENTS --ROAD CONSTRUCTION ROAD DESIGN ROAD DRAINAGE ROAD ENGINEERING ROAD RESEARCH HIGHWAY TUNNELS 1 2 use VEHICULAR TUNNELS HIGHWAYS 2 3 4 5 BT ROADS NT -- EXPRESSWAYS FREEWAYS TOLL ROADS BRIDGE DECKS CAUSEWAYS --CIVIL ENGINEERING CULVERTS
HIGHWAY BRIDGES
HIGHWAY EMBANKMENTS
HIGHWAY STRUCTURES INTERCHANGES INTERSTATE HIGHWAY SYSTEM ON-ROAD MOBILITY -PAVEMENTS -- PAVING --RAMPS ROAD ENGINEERING SHOULDERS STREETS -- TRAFFIC LOADS --TUNNELS VEHICULAR TUNNELS VIADUCTS HINGES (STRUCTURAL)
UF PLASTIC HINGES BT STATISTICAL ANALYSIS RT--FREQUENCY DISTRIBUTION HISTORIC FLOOD BT FLOODS RT FLOOD DAMAGE NOTE: Time record of changes in or on the earth UF GEOLOGIC HISTORY PALEOGEOLOGY HISTORICAL GEOLOGY GEOLOGY

ARCHAEOLOGY FIELD GEOLOGY

FOSSILS GEOCHRONOLOGY GEOLOGIC FORMATIONS GEOLOGIC MAPPING -- GEOMOR PHOLOGY PALEOBOTANY PALEOCLIMATOLOGY

HISTORICAL GEOLOGY (Con.)
PALEOECOLOGY -- PALEOGEOGRAPHY PALEOGEOLOGIC MAPS PALEONTOLOGY PALEOZOOLOGY RADIOCARBON DATING -SEDIMENTOLOGY STRATIGRAPHY HISTORICAL RECORDS RT--DOCUMENTS 5 6 HODOGRAPHS DOGRAPHS 1 RT GRAPHICAL METHODS HOISTING EQUIPMENT USE HOISTS HOISTING MACHINERY use HOISTS HOISTING MACHINERY (GATES)
use GATE HOISTS HOISTS HOISTING EQUIPMENT HOISTING MACHINERY LIFTING MACHINERY MATERIALS HANDLING EQUIPMENT NT GATE HOISTS RT--CONSTRUCTION EQUIPMENT
--CRANES (HOISTS)
JACKING HOLE SPRINGING 4

NOTE: Enlargement of the bottom of a drill hole by successive detonation of small explosive charges

RT BOREHOLES

BOREHOLES DETONATION EXPLOSIVE CHARGES HOLLOW CORE SLABS 3
BT CONCRETE PRODUCTS
RT--CONCRETE CONSTRUCTION HOLLOW JET VALVES 1
BT HYDRAULIC VALVES
VALVES
RT BUTTERFLY VALVES GATE VALVES GLOBE VALVES HIGH PRESSURE VALVES NEEDLE VALVES PLUG VALVES SLEEVE VALVES HOLLOW SQUARES 1 NOTE: Patented precast concrete armor units BT ARMOR UNITS HOLLOW TETRAHEDRONS 1 NOTE: Precast concrete armor units BT ARMOR UNITS HOLOGRAPHY 6 RT DATA STORAGE LASERS -- PHOTOGRAPHY HOMEOSTASIS OMEOSTASIS 7
NOTE: Maintenance of constancy or a high degree of uniformity in functions of an organism or interactions of individuals in a population or community under changing conditions, because of the capabilities of organisms to make adjustments
RT ACCLIMATIZATION
--ADAPTATION

--ADAPTATION

HOMEOSTASIS (Con.)

BALANCE OF NATURE
EQUILIBRIUM METABOLISM -- PHYSIOLOGY WATER BALANCE MES 3 HONEYCOMB (CONCRETE) 3
use SURFACE DEFECTS (CONCRETE) HONEYCOMB STRUCTURE (SOILS) HONEYCOMB STRUCTURES RT--CELLULAR STRUCTURES
--LANDING MATS POROUS MATERIALS STRUCTURAL ADHESIVES HOOK GAGES 1 GAGES
HYDROLOGIC INSTRUMENTS
MEASURING INSTRUMENTS
EVAPOTRANSPIRATION EVAPOTRANSPIROMETERS WATER LEVELS WATER SURFACE HOOKED REINFORCEMENT 3 BT REINFORCING STEELS RT--ANCHORS (STRUCTURAL) DOKES LAW 2 3 4
BT CONSTITUTIVE EQUATIONS
RT CONSTITUTIVE MODELS
ELASTIC DEFORMATION
ELASTIC DESIGN
ELASTIC EQUILIBRIUM
ELASTIC LIMIT --ELASTICITY --MODULUS OF ELASTICITY --STRESS-STRAIN RELATIONS THEORY OF ELASTICITY HOOP TENSION RT--PIPES PRESSURE CONDUITS PRESSURE PIPES HOPPER DREDGES
BT DREDGES HORIZONS (SOILS) 2 HORIZONTAL DRAINAGE WELLS 1 2 BT DRAINAGE WELLS WATER WELLS WELLS RT HORIZONTAL DRAINS HORIZONTAL DRAINS 1 2
BT DRAINAGE STRUCTURES
DRAINS CONCRETE PIPES --CULVERTS DRAIN SPACING -- DRAINAGE DRAINAGE BLANKETS DRAINAGE SYSTEMS HORIZONTAL DRAINAGE WELLS SAND DRAINS STORM SEWERS

--SUBDRAINS TILE DRAINS VERTICAL DRAINS

HORIZONTAL JOINTS 2 3
BT JOINTS (JUNCTIONS)
RT CONSTRUCTION JOINTS
LIFTS (CONSTRUCTION)

HORIZONTAL LOADS 1
UF LATERAL FORCES
LATERAL LOADS
BT LOADS (FORCES) 1 2 3 4 RT--ANCHORS BATTER PILES --BULKHEADS COEFFICIENT OF EARTH PRESSURE EARTH PRESSURE EARTH PRESSURE MEASUREMENT EXTERNAL FORCES HORIZONTAL MOVEMENT DEVICES ICE LOADS LAGGING LATERAL PRESSURE LATERAL STRAIN LOAD DISTRIBUTION RETAINING WALLS SHEET PILING SHEETING TIE RODS -- WATER PRESSURE HORIZONTAL MOVEMENT DEVICES ORIZONTAL MOVEMENT DEVICES 2 4
NOTE: For determining
horizontal movement within
an earth embankment
BT MEASURING INSTRUMENTS
RT--DAM INSTRUMENTATION
--DEFORMATION GAGES
EARTH DAM INSTRUMENTATION
EARTH DAM INSTRUMENTATION
EARTH PRESSURE
HORIZONTAL LOADS
HYDROSTATIC PRESSURE
ROCKFILL DAM INSTRUMENTATION
STRAIN MEASUREMENT
--STRAIN MEASUREMENT
VERTICAL MOVEMENT DEVICES HORIZONTAL OSCILLATIONS 1 2 4 BT OSCILLATIONS RT--DYNAMIC BEARING CAPACITY FOUNDATION VIBRATIONS -- RESONANCE VIBRATION RESPONSE TESTS VIBRATORY LOADS HORIZONTALLY POLARIZED SHEAR WAVES 4 use SHEAR WAVES HORSESHOE CONDUITS 1 BT CONDUITS HOSE FITTINGS 1 RT FLEXIBLE PIPES FLEXIBLE TUBING HOSES HOSES BT CLOSED CONDUITS RT FLEXIBLE PIPES FLEXIBLE TUBING HOSE FITTINGS

--NOZZLES SIPHONS HOSPITALS

BT BUILDINGS RT SCHOOL BUILDINGS

HOT FILM ANEMOMETERS 1
BT ANEMOMETERS
MEASURING INSTRUMENTS
METEOROLOGICAL INSTRUMENTS
RT FLOW MEASUREMENT
--FLUID FLOW
HOT WIRE ANEMOMETERS
--VELOCITY METERS (FLUIDS)
WIND VELOCITY

HUMAN FACTORS ENGINEERING (Con.)
HUMAN LOCOMOTION HOT MIX 5 NOTE: Bituminous paving mixtures that come from the plant in a heated condition RT BITUMENS LIGHTING MAN MACHINE SYSTEMS PERFORMANCE SAFETY BITUMENS
BITUMINOUS CONCRETES
--FLEXIBLE PAVEMENTS
FLOW TESTS (BITUMINOUS
MATERIALS) HOT WEATHER CONSTRUCTION 3
UF CONCRETE WEATHER PROBLEMS
BT CONSTRUCTION
RT--CONCRETE CONSTRUCTION LOCOMOTION FOOTSTEPS HOT WIRE ANEMOMETERS 1
BT ANEMOMETERS
MEASURING INSTRUMENTS
METEOROLOGICAL INSTRUMENTS
RT FLOW MEASUREMENT
--FLUID FLOW
HOT FILM ANEMOMETERS
--VELOCITY METERS (FLUIDS)
WIND VELOCITY TELS 3
BT PUBLIC BUILDINGS
RT--COMMERCIAL BUILDINGS HOTELS HOUSES LATERITES UF HOMES BT RESIDENTIAL BUILDINGS HOUSING USING 3 4 USE RESIDENTIAL BUILDINGS 2 3 HOVERCRAFT 25
use AIR CUSHION VEHICLES HOWELL BUNGER VALVES BT VALVES HOWITZERS OWITZERS 4 6
BT ARTILLERY
WEAPONS
RT HEAVY ARTILLERY
LIGHT ARTILLERY
MEDIUM ARTILLERY HUBBARD-FIELD METHOD 5
RT BITUMENS
BITUMINOUS LABORATORIES
--COMPACTION (BITUMINOUS
MIXTURES) --CLIMATOLOGY
CONDENSATION
--CORROSION
DEW POINT
--ENVIRONMENTS
HUMID REGIONS FLEXIBLE PAVEMENT DESIGN (HIGHWAYS) --FLEXIBLE PAVEMENTS
OPTIMUM BITUMEN CONTENT
STABILITY (BITUMINOUS
MATERIALS) HUGONOIT EQUATIONS OF STATE 2 UF RANKINE-HUGONIOT RELATIONS --HYGROMETRY RT--SHOCK WAVES HUMAN ECOLOGY 7
NOTE: Study of relations
between man and his
environment
BT ANIMAL ECOLOGY
ECOLOGY MIST MOISTURE ECOLOGY RT CLOSED ECOLOGICAL SYSTEM -- ENVIRONMENTS VAPOR PRESSURE HUMAN ENGINEERING 5 6
use HUMAN FACTORS ENGINEERING WATER VAPOR WEATHER HUMAN FACTORS ENGINEERING 5 6 WEATHER FORECASTING UF HUMAN ENGINEERING
RT BIONICS
DRIVER RESPONSE
ENVIRONMENTAL ENGINEERING

SAFETY DEVICES SAFETY ENGINEERING SYSTEMS ENGINEERING VEHICLE STABILITY WALKING VEHICLES HUMAN LOCOMOTION 5 UF LAND LOCOMOTION HUMAN FACTORS ENGINEERING --MOBILITY
OFF-ROAD MOBILITY
SEISMIC INVESTIGATIONS
WALKING SPEED HUMAN TOLERANCE TO VIERATION 5 use DRIVER RESPONSE VIBRATION EFFECTS (VEHICLES) HUMID REGIONS 2 3 6
BT REGIONS
RT CLIMATOLOGY
GEOGRAPHY
HUMIDITY TROPICAL REGIONS WEATHERING (GEOLOGY) NOTE: Laboratory test facilities RT HUMIDITY HUMIDITY CONTROL SOIL MECHANICS LABORATORIES
SOIL TEST SPECIMENS
--SOIL TESTS (LABORATORY)
--WATER CONTENT (SOILS) HUMIDITY 1 2 3 6 7
NOTE: Ratio of the actual
amount of water vapor present
in a unit portion of atmosphere
to the quantity which would be
present when saturated
UF ABSOLUTE HUMIDITY
RELATIVE HUMIDITY
RT AIR CONDITIONING
AIR TEMPERATURE
ATMOSPHERIC DENSITY
--CLIMATOLOGY HUMID ROOMS HUMIDITY CONTROL -- HYDROMETEOROLOGICAL STATIONS METEOROLOGICAL DATA
--METEOROLOGY
MICROENVIRONMENT MOISTORE
MOISTORE CONTENT (CONCRETE)
--PRECIPITATION (METEOROLOGY)
PSYCHROMETERS
REFRIGERATING STRESS CORROSION RESISTANCE
--TEMPERATURE

HUMIDITY CONTROL 1 2 3 6 RT AIR CONDITIONING AUTOMATIC CONTROL

-- ENVIRONMENTS

HUMIDITY CONTROL (Con.)
COOLING SYSTEMS
CORROSION HYDRANTS RT--HYDRAULIC VALVES ENVIRONMENTAL ENGINEERING HUMID ROOMS HUMIDITY HYDRATED LIME 2
use CALCIUM HYDROXIDES REPRIGERATING
SOIL MECHANICS LABORATORIES
--SOIL TESTS (LABORATORY)
TEMPERATURE CONTROL HYDRATING 2 use HYDRATION VENTILATION HYDRATION 2 3 NOTE: Combination with Water
UF HYDRATING
BT CHEMICAL REACTIONS
NT CEMENT HYDRATION
RT--CONCRETE CURING
CONCRETE HARDENING JMUS 2 7 NOTE: Decomposed organic HUMUS material
BT DECOMPOSING ORGANIC
MATTER ORGANIC MATTER RT BOGS HUMUS SOILS --CORROSION DEHYDRATION
--HARDENING (MATERIALS)
HEAT OF HYDRATION
HYDROLYSIS PEAT HUMUS SOILS 2 7
BT ORGANIC DEPOSITS
ORGANIC SOILS
RT BOGS SELF DESICCATION SLAKING HUMUS LOAMS SOLUTION PHENOMENA (GEOLOGY)
WATER OF HYDRATION MUCK --SOIL BIOLOGY TOP SOIL HYDRATION REACTION RATES RT HEAT OF HYDRATION HURRICANE BARRIERS 1 3
BT BARRIERS
RT FLOOD PROTECTION
HURRICANES HYDRAULIC ACCUMULATORS 1 RT HYDRAULIC INTENSIFIERS SURGE TANKS HYDRAULIC BREAKWATERS 1 BT BREAKWATERS RT MOBILE BREAKWATERS HURRICANES CYCLONES STORMS NOTE: Capable of setting and hardening under water BT CEMENTS TROPICAL CYCLONES ATMOSPHERIC PRESSURE HYDRAULIC CEMENTS GUSTS HURRICANE BARRIERS TYPHOONS NT AIR ENTRAINING CEMENTS
ALUMINATE CEMENTS
--EXPANSIVE CEMENTS WARNING SYSTEMS
--WIND (METEOROLOGY)
WIND VELOCITY GYPSUM CEMENTS HIGH EARLY STRENGTH M METHOD 5 BITUMENS BITUMINOUS LABORATORIES --COMPACTION (BITUMINOUS HVEEM METHOD CEMENTS LIME CEMENTS
LOW HEAT CEMENTS
FORTLAND CEMENT TYPE 1
PORTLAND CEMENT TYPE 2
-PORTLAND CEMENTS
FORTLAND POZZOLAN CEMENTS
FORTLAND SLAG CEMENTS
FOZZOLAN CEMENTS
SLAG CEMENTS
SULFATE RESISTING CEMENTS
SULFATE RESISTING CEMENTS
WHITE PORTLAND CEMENTS MIXTURES) FLEXIBLE PAVEMENT DESIGN MLEXIBLE PAVEMENT DESIGN (HIGHWAYS)
--PLEXIBLE PAVEMENTS
OPTIMUM BITUMEN CONTENT
STABILITY (BITUMINOUS
MATERIALS) HYBRID COMPUTERS 1 2 3 4 5 6 7
UF ANALOG DIGITAL COMPUTERS
BT COMPUTERS
DATA PROCESSING EQUIPMENT
RT ANALOG COMPUTERS
ANALOG TO DIGITAL CONVERTERS
--ANALOGS
--ANALOGS WHITE PORTLAND CEMENTS
RT BITUMINOUS CEMENTS -CLINKER HYDRAULIC LIME MASONRY CEMENTS
NATURAL CEMENTS
OIL WELL CEMENTS
PORTLAND CEMENT CLINKER ANALOGS
AUTOMATION
COMPUTATION
DIGITAL COMPUTERS
DIGITAL SYSTEMS
DIGITAL TO ANALOG CONVERTERS
PROCESS CONTROL -- POZZOLANS UNDERWATER CONSTRUCTION HYDRAULIC CONDUCTIVITY RT DARCYS LAW DRAIN SPACING SIMULATION -- GROUNDWATER HYDROGEOLOGY HYBRID SIMULATION 6
NOTE: Use of hybrid computers for simulation purposes
BT COMPUTERIZED SIMULATION HYDROLOGIC PROPERTIES INFILTRATION (WATER) PERCOLATION MATHEMATICAL MODELS SIMULATION PERMEABILITY POROUS MEDIA TILE SPACING ANALOG SIMULATION DIGITAL SIMULATION

HYDRAULIC CONTROL HYDRAULIC ENGINEERING (Con.)
STILLING BASINS RT FLUIDICS
--HYDRAULIC VALVES --STREAMS --HYDRAULICS REMOTE CONTROL --WATER SUPPLY HYDRAULIC EQUIPMENT 1
NOTE: Use of a more specific term is recommended
HYDRAULIC ACCUMULATORS
HYDRAULIC CONTROL
HYDRAULIC GATES
HYDRAULIC LABORATORIES
HYDRAULIC MACHINERY
HYDRAULIC RAMS
HYDRAULIC TURBINES
HYDRAULIC TURBINES
HYDRAULIC VALVES
PUMPS HYDRAULIC CONVEYORS CONSTRUCTION EQUIPMENT CONVEYORS EARTH HANDLING EQUIPMENT MATERIALS HANDLING EQUIPMENT
HYDRAULIC EXCAVATION
HYDRAULIC FILL DAMS
HYDRAULIC FILLS LONG DISTANCE CONVEYORS -- PUMPS HYDRAULIC DESIGN 1
RT DESIGN FLOW
--FLOW
--FLUID MECHANICS HYDRAULIC EXCAVATION NOTE: Excavation by means of a high pressure jet of -FLUID MECHANICS
HEAD LOSSES
HYDRAULIC DESIGN CRITERIA
-HYDRAULIC ENGINEERING
HYDRAULIC LABORATORIES
HYDRAULIC RADIUS
-HYDRAULIC RADIUS
-HYDRAULICS
OGGE CREETS NACC.

PT EXCAVATION
RT DREDGING
HYDRAULIC CONVEYORS
HYDRAULIC FILLS
HYDRAULIC FRACTURING OF
ROCK --NOZZLES
RAPID EXCAVATION OGEE CRESTS SPILLWAY CRESTS VELOCITY HEAD SLURRY EXCAVATION
--UNDERWATER EXCAVATION HYDRAULIC DESIGN CRITERIA BT DESIGN CRITERIA RT HYDRAULIC DESIGN --WATER PRESSURE HYDRAULIC FILL DAMS 1 2 BT DAMS EARTH DAMS EMBANKMENTS HYDRAULIC DOWNPULL use GATE DOWNPULL DREDGING
HYDRAULIC CONVEYORS
HYDRAULIC FILLS
PUDDLING HYDRAULIC DRIVES 5 UF FLUID DRIVES BT DRIVE SYSTEMS FOUR WHEEL DRIVES FRONT WHEEL DRIVES HYDRAULIC WHEELS TRANSMISSIONS HYDRAULIC FILLS 1 2 BT FILLS RT--DREDGES DREDGING
EARTH FILLS
HYDRAULIC CONVEYORS
HYDRAULIC EXCAVATION
HYDRAULIC FILL DAMS
FUDDLING HYDRAULIC ENGINEERING BT CIVIL ENGINEERING NT RIVER ENGINEERING 1 2 4 RT BANK PROTECTION -- CANALS CHANNEL IMPROVEMENT CHANNEL STABILIZATION --CHANNELS -- UNDERWATER EXCAVATION HYDRAULIC FLOW NETS 1 2 7 use FLOW NETS COASTAL ENGINEERING --CONDUITS --DAMS --DIVERSION WORKS HYDRAULIC FORM RESISTANCE 1
use FORM RESISTANCE (HYDRAULICS) -- DRAINAGE FLOOD CONTROL
-FLUID MECHANICS
HARBOR ENGINEERING
HEADWORKS HYDRAULIC FRACTURING NOTE: Caused by pore pressure variations in an earth structure RT CORES (DAMS) FORE WATER PRESSURE HYDRAULIC DESIGN
HYDRAULIC LABORATORIES
HYDRAULIC MACHINERY
HYDRAULIC MODELS HYDRAULIC FRACTURING OF ROCK RT HYDRAULIC EXCAVATION PUMPING RAPID EXCAVATION ROCK FRACTURE HYDRAULIC STRUCTURES
-HYDRAULICS HYDROELECTRIC PLANTS HYDROGRAPHY --HYDROLOGY --INTAKE STRUCTURES HYDRAULIC FRICTION NOTE: Resistance to flow exerted on the perimeter or contact surface between a stream and its containing conduit, due to roughness characteristic of confining surface IRRIGATION CANALS -LAKES MECHANICAL ENGINEERING RESERVOIRS -- RIVER REGULATION --RIVERS SURFACE RESISTANCE --SEDIMENT SURFACE RESISTANCE (HYDRAULICS) --SPILLWAYS

HYDRAULIC FRICTION (Con.) HYDRAULIC GEOMETRY 1 5
UF CHANNEL GEOMETRY
STREAM GEOMETRY
BT GEOMETRY
RT HYDROLOGIC GEOMETRY
LAND-WATER INTERPACE FRICTION FLUID RESISTANCE MANNING EQUATION ROUGHNESS COEFFICIENT SURFACE ROUGHNESS (HYDRAULICS) -- RIVERS -RIVERS
STREAM CROSSINGS
STREAM VELOCITY
-STREAMS
SURFACE WATERS HYDRAULIC GATES NOTE: Gates to control flow of water UF GATES (HYDRAULIC STRUCTURES) TERRAIN BEAR-TRAP GATES
BULKHEAD GATES
CATERPILLAR GATES
COASTER GATES -- TERRAIN CLASSIFICATION HYDRAULIC GRADIENTS 1 2 YDRAULIC GRADIENTS 1 2
BT GRADIENTS
NT CRITICAL GRADIENTS
RT ARTESIAN PRESSURE
ARTESIAN WATER
BACKWATER PROFILES
CRITICAL DEPTH
CRITICAL SLOPE (HYDRAULICS)
CRITICAL VELOCITY
DARCYS LAW
--DRAWDOWN CREST GATES CYLINDER GATES DRUM GATES EMERGENCY GATES FACE GATES FILLER GATES FIXED WHEEL GATES FLAP GATES FLOODGATES GUARDGATES GUARDGATES
GUILLOTINE GATES
HEAD GATES
HIGH PRESSURE GATES
INTAKE GATES
LIFT GATES
--LOCK GATES
MITER GATES
PONTOON GATES
RADIAL GATES
ROLLER-BEARING GATES
ROLLER-MOUNTED GATES
ROLLER-MOUNTED GATES --DRAWDOWN --FLOW FLOW NETS
HAZEN-WILLIAMS EQUATION
-HEAD (FLUID MECHANICS)
HEAD LOSSES HYDRAULIC JUMP HYDRAULIC RADIUS -HYDROMECHANICS HYDROSTATIC PRESSURE HYDROSTATIC PRESSUI HYDROSTATICS KUTTER FORMULA MOVABLE-BED MODELS OPEN CHANNEL FLOW --OPEN CHANNELS ROLLER-MOUNTED GATES
ROLLING GATES ROLLING GATES
SECTOR GATES
SLIDE GATES
SLUICE GATES
SPILLWAY GATES
SPLIT LEAF GATES
STAUWERKE GATES PHREATIC LINE -PIEZOMETERS
PIPE FLOW
PRESSURE GRADIENTS
PRESSURE HEAD
PRESSURE TESTS (TUNNELS) STONEY GATES SUBMERGIBLE GATES RELIEF WELL THEORY TAILGATES TAINTER GATES --SLOPES
--SPRINGS (WATER)
TUNNEL LININGS
TUNNEL PLUGS
TUNNEL PRESSURE
UNLINED TUNNELS
VELOCITY HEAD
WATER LEVELS
--WATER PRESSURE
--WATER SURFACE PROFILES
WELL THEORY --SLOPES TIDE GATES
TRACTOR GATES
TRACTOR GATES
TUMBLE GATES
TURNOUT GATES
VERTICAL LIFT GATES WHEEL-MOUNTED GATES WICKET GATES WICKET GATES
I AIR CHAMBERS
AIR DEMAND
--CHECK STRUCTURES
--DISCHARGE (WATER)
--DIVERSION WORKS
FLOAT WELLS
--FLOW CONTROL
FLOW MEASUREMENT WELL THEORY HYDRAULIC INTENSIFIERS 1
BT FLUID AMPLIFIERS
RT FLUIDIC AMPLIFIERS
HYDRAULIC ACCUMULATORS --FLUID MECHANICS
GATE CONTROL
GATE DOWNPULL
GATE HOISTS HYDRAULIC JACKS 1 2 BT JACKS
RT PLAT JACKS
FOUNDATION JACKS GATE SEATS GATE VIBRATION JACKED PILES
-JACKING TESTS
MECHANICAL JACKS
SHIELD METHOD (TUNNELING) HEADWORKS
--HYDRAULIC VALVES
HYDROELECTRIC PLANTS
JET DIFFUSION HYDRAULIC JUMP 1
RT BACKWATER PROFILES
CHUTE BLOCKS LOW HEAD --MOVABLE DAMS --OUTLET WORKS SLOTS SPILLWAY CRESTS CONTINUITY EQUATION -- CRITICAL FLOW STOP LOGS DROP STRUCTURES ENERGY DISSIPATORS (HYDRAULIC WATER HAMMER STRUCTURES)
FLOW AROUND OBJECTS FROUDE NUMBER HEAD LOSSES HYDRAULIC DESIGN

HYDRAULIC JUMP (Con.)
HYDRAULIC GRADIENTS
HYDRAULIC RADIUS
--LIQUID FLOW HYDRAULIC MOTORS MOTORS HYDRAULIC PIEZOMETERS 2 BT MEASURING INSTRUMENTS --OPEN CHANNELS SPECIFIC HEAD STANDING WAVES (WATER) STILLING BASINS PIEZOMETERS PRESSURE GAGES HYDRAULIC PISTON SAMPLERS BT DRIVE SAMPLERS PISTON SAMPLERS --SURGES TRANSITION FLOW TURBULENT FLOW PISTON SAMPLERS
SAMPLERS
SOIL SAMPLERS
FIXED PISTON SAMPLERS
FREE PISTON SAMPLERS
SHORT PISTON SAMPLERS
THIN WALL OPEN SAMPLERS HYDRAULIC LABORATORIES 1
UF HYDRODYNAMIC LABORATORIES
BT LABORATORIES
RT FIXED BED MODELS
--FLUID MECHANICS
--FLUIDS HYDRAULIC DESIGN
--HYDRAULIC ENGINEERING
--HYDRAULIC MODELS
--HYDRAULICS HYDRAULIC PRESSURE BT PRESSURE RT HYDRODYNAMIC PRESSURE HYDRODYNAMIC PRESSURE
HYDROSTATIC PRESSURE
HYDROSTATICS MOVABLE-BED MODELS HYDRAULIC LIME 3
RT CEMENT LIME MORTARS
--CEMENTS
--CONCRETE ADMIXTURES PRESSURE HEAD RAPID DRAWDOWN WATER LEVELS --WATER PRESSURE --HYDRAULIC CEMENTS LIME CEMENTS HYDRAULIC PRESSURE (FREEZING)
use PORE WATER PRESSURE MORTARS (MATERIAL) HYDRAULIC PRESSURE PADS 2 3 HYDRAULIC LOSS 1
use HEAD LOSSES use FLAT JACKS HYDRAULIC PROPERTIES 1 HYDRAULIC MACHINERY NOTE: Machinery operated by hydraulic principle
RT AIR ADMISSION
--HYDRAULIC ENGINEERING
--HYDRAULIC TURBINES
LOW HEAD RT--FLOW GATE DOWNPULL --HYDRAULICS
--HYDROLOGIC PROPERTIES
LOTIC ENVIRONMENT
WATER PROPERTIES
WATER TUNNELS (TESTING) MECHANICAL ENGINEERING -- PUM PS HYDRAULIC RADIUS 1
RT CHEZY EQUATION
--FLOW
HAZEN-WILLIAMS EQUATION HYDRAULIC MINING RT--FLOODING GRAVELS HAZEN-WILLIAMS EQUAY
HEAD LOSSES
HYDRAULIC DESIGN
HYDRAULIC GRADIENTS
HYDRAULIC JUMP
KUTTER FORMULA
--LIQUID FLOW
MANNING EQUATION
OPEN CHANNEL FLOW
PIPE FLOW JETS (FLUIDS) HYDRAULIC MODELS 1 2
UF FLUVIAL MODELS
HYDRAULIC STRUCTURES
MODELS
RIVER MODELS
WATERWAYS MODELS MODELS ESTUARY MODELS HYDRAULIC RAMS 1
NOTE: Devices for forcing
running water to a higher
level by using the kinetic
energy of flow
BT PUMPS
RT PIPELINES PIXED-BED MODELS
PLOOD CONTROL MODELS
MOVABLE-BED MODELS
SEDIMENT-TRANSPORT MODELS SEDIMENT-TRANSPORT MODI SEMIRIGID MODELS -TIDAL MODELS (CLOSED CONDUIT) UNSTEADY-FLOW MODELS (OPEN CHANNEL) WATER WAVE MODELS BED MATERIALS (MODELS) CAVITATION INDEX CAVITATION RESISTANCE DYE RELEASES HYDRAULIC RESEARCH 1 RT--HYDRAULICS HYDRAULIC ROUGHNESS 1
use SURFACE ROUGHNESS (HYDRAULICS) HYDRAULIC SIMILITUDE 1
BT SIMILITUDE
RT BERTRAND QUALIFYING
EQUATION
CAVITATION INDEX
DIMENSIONLESS CONCEPT
ESTUARY MODELS
FIXED-BED MODELS
FROUDE NUMBER
--HYDRAULIC MODELS
--HYDRAULICS DYE RELEASES --DYES --HYDRAULIC ENGINEERING HYDRAULIC LABORATORIES HYDRAULIC SIMILITUDE --HYDRAULICS PROTOTYPE CONFIRMATION PROTOTYPES SCALE EFFECTS SIMULATION TABLE MODELS WATER WAVE TANKS

HYDRAULIC SIMILITUDE (Con.)	HYDRAULIC STRUCTURES (Con.)
MODEL TESTS	QUAY WALLS
MOVABLE-BED MODELS	RESERVOIRS
PROTOTYPES	RETENTION DAMS
REYNOLDS NUMBER	REVETMENT
SEMIRIGID MODELS	RIVER CLOSURES
WEBER NUMBER	SEA WALLS
INDEAN TO CONTROL 1 0 3 4 7	SEWERS
HYDRAULIC STRUCTURES 1 2 3 4 7	SHORE PROTECTION
NOTE: Engineering structures for	SHORE STRUCTURES
the purpose of water control.	SIDE CHANNEL SPILLWAYS
Use of a more specific term	SIPHONS
is recommended; consult the terms listed below	SKI-JUMP SPILLWAYS
ABUTMENTS	SLUICES
AIR CHAMBERS	SPILLWAYS
AIR TRAPS	STILLING BASINS
APPROACH CHANNELS	STILLING WELLS
AQUEDUCTS	SURGE TANKS
BIFURCATIONS	TAILRACES
BREAKWATERS	TAILWATER TIDAL POWER PLANTS
BULKHEADS	
CANAL CONSTRUCTION	TRIFURCATIONS TUNNELS
CANAL DESIGN	WATER
CANAL EMBANKMENTS	WATER DISTRIBUTION
CANALS	WATER TANKS
CHANNELS	WATER TUNNELS
CHECK DAMS	WATERWORKS
CHECK STRUCTURES	WYE BRANCHES
CHUTE SPILLWAYS	WID DIRNOIDS
CHUTES	HYDRAULIC STRUCTURES MODELS 1
CLOSED-CONDUIT SPILLWAYS	use HYDRAULIC MODELS
CLOSED CONDUITS	400 11111111111111111111111111111111111
COASTAL STRUCTURES	HYDRAULIC SURFACE RESISTANCE
COFFERDAMS	use HYDRAULIC FRICTION
CONDUITS	400 1121111222
CONFLUENCE STRUCTURES	HYDRAULIC TRANSIENTS 1
CONTROL STRUCTURES	UF TRANSIENTS (HYDRAULICS)
CULVERTS	RT AIR CHAMBERS
DAMS DARRIG DARRIERS	BORES (RIVER)
DEBRIS BARRIERS	BORES (TIDAL)
DIKES (EMBANKMENTS) DISCHARGE LINES	HYDRAULICS
DIVERSION DAMS	SURGE TANKS
DIVERSION STRUCTURES	SURGES
DIVERSION WORKS	WATER HAMMER
DRAINAGE STRUCTURES	WATER WAVES
DRAINS	
DROP STRUCTURES	HYDRAULIC TURBINES 1
ENTRANCE CHANNELS	UF WATER TURBINES
EQUALIZING RESERVOIRS	BT TURBINES
EXIT CHANNELS	NT AMERICAN TURBINES
FISHWAYS	AXIAL FLOW TURBINES
FLIP BUCKETS	BOYDON TURBINES
FLOOD CONTROL	BULB TURBINES
FLOOD WALLS	DERIAZ TURBINES
FLOODGATES	FOURNEYRON TURBINES
FLOODWAYS	FRANCIS TURBINES GIRARD TURBINES
FLUMES (WATER CONVEYANCE	IMPULSE-REACTION TURBINES
STRUCTURES)	IMPULSE TURBINES
FREEBOARD	INWARD-FLOW TURBINES
GATE DOWNPULL	KAPLAN TURBINES
GATE SEATS	MIXED-FLOW TURBINES
HARBOR FACILITIES	OUTWARD-FLOW TURBINES
HARBOR STRUCTURES	PELTON TURBINES
HEADWORKS	PROPELLER TURBINES
HYDRAULIC ENGINEERING	PUMP TURBINES
HYDRAULICS	REACTION TURBINES
HYDROELECTRIC PLANTS	REVERSIBLE TURBINES
INTAKE STRUCTURES	TUBE TURBINES
JETTIES LATERALS	TURBOMACHINERY
LATERALS LEVEES	TURGO-TYPE TURBINES
LOCKS (WATERWAYS)	RT DRAFT TUBES
MARINE STRUCTURES	GUIDE VANES
MATTRESSES	HYDRAULIC MACHINERY
OFFSHORE PLATFORMS	HYDROELECTRIC PLANTS
OFFSHORE STRUCTURES	HYDROELECTRIC POWER
OUTLET WORKS	NOZZLES
OVERFALLS	PENSTOCKS
PENSTOCKS	SPEED REGULATORS
PIPELINES	TAILRACES
PLUNGE BASINS	TURBINE EFFICIENCY
PUMPING STATIONS	TURBINE PARTS
	VANES

HYDRAULIC VALVES 1	HYDRAULICS (Con.)
BT VALVES	HYDROLOGY
NT BALL VALVES	HYDROMECHANICS
BUTTERFLY VALVES	HYDROSTATIC TESTS
CHECK VALVES	HYDROSTATICS
PLAP VALVES	INCOMPRESSIBLE FLOW
GATE VALVES	LAMINAR FLOW
GLOBE VALVES	MOMENTUM EQUATION
HOLLOW JET VALVES	OPEN CHANNELS
NEEDLE VALVES	PIEZOMETRIC HEAD
PLUG VALVES	POTENTIAL FLOW
SLEEVE VALVES	PRESSURE CONDUITS
RT AIR CHAMBERS	PRESSURE HEAD
AIR DEMAND	PRESSURE PIPES
BACK PRESSURE	PUMPING
FLOW CONTROL	PUMPING STATIONS
GATE DOWNPULL	REGIME
HIGH PRESSURE VALVES	RESERVOIRS
HYDRANTS	REYNOLDS NUMBER
HYDRAULIC CONTROL	RIVERS
HYDRAULIC GATES	SEEPAGE
HYDRAULICS	SPECIFIC HEAD
HYDROELECTRIC PLANTS	SPILLWAY CRESTS
HYDROELECTRIC POWER	SPILLWAYS
JET DIFFUSION	STEADY FLOW
LOW HEAD	STREAMFLOW DEPLETION
OUTLET WORKS	STREAMS
RELIEF VALVES	TRACTIVE FORCES
ROTARY VALVES	TRANSIENT FLOW
	TURBULENCE
HYDRAULIC WHEELS 5	VORTICES
BT WHEELS	WATER
RT HYDRAULIC DRIVES	WATER CIRCULATION
WHEELED VEHICLES	WATER MEASUREMENT
WILLELED VEHICLES	
	WATER TUNNELS
HYDRAULICS 1 2 3 4	WEIRS
NOTE: Branch of engineering	
science dealing primarily	HYDROBIOLOGY 7
with the flow of water or	use AQUATIC BIOLOGY
	use Agoniic Biologi
other liquids	
BT FLUID MECHANICS	HYDROCARBONS 2 3 7
NT FLUVIAL HYDRAULICS	NOTE: Vast family of compounds
GROUNDWATER HYDRAULIC	containing carbon and hydrogen
TIDAL HYDRAULICS	in various combinations,
TUNNEL HYDRAULICS	found especially in fossil
RT AIR DEMAND	fuels
CANALS	NT METHANE
CAVITATION	PARAFFINS
CHANNELS	RTBITUMENS
CIVIL ENGINEERING	CARBON
CONDUITS	COAL
CONTINUITY EQUATION	COAL TAR
CRITICAL DEPTH	LIGNITE
CRITICAL SLOPE (HYDRAULICS)	NATURAL GAS
CRITICAL VELOCITY	ORGANIC COMPOUNDS
DISCHARGE COEFFICIENTS	ORGANIC SOILS
	PEAT
DISCHARGE MEASUREMENT	
DISCHARGE (WATER)	PETROLEUM
DYNAMICS	RESINS (SYNTHETIC)
ENERGY EQUATION	
FLOOD CONTROL	HYDROCYCLONES 7
FLOW	
EAT TAIL AND A CONTRACT OF A C	NOTE: Devices that efficiently
FLOW CHARACTERISTICS	degrit, dewater and
FLOW MEASUREMENT	deslime sludge
FLOW NETS	
FLUID DYNAMICS	HYDRODYNAMIC COMPRESSION 2
FLUID FLOW	use PRIMARY CONSOLIDATION
FLUID POWER	
FLUID RESISTANCE	
FLUIDS	HYDRODYNAMIC LABORATORIES 1
HEAD (FLUID MECHANICS)	
	use HYDRAULIC LABORATORIES
	use HYDRAULIC LABORATORIES
HYDRAULIC CONTROL	use HYDRAULIC LABORATORIES HYDRODYNAMIC PRESSURE 1
HYDRAULIC CONTROL HYDRAULIC DESIGN	use HYDRAULIC LABORATORIES HYDRODYNAMIC PRESSURE 1 BT PRESSURE
HYDRAULIC CONTROL HYDRAULIC DESIGN	use HYDRAULIC LABORATORIES HYDRODYNAMIC PRESSURE 1
HYDRAULIC CONTROL HYDRAULIC DESIGN HYDRAULIC ENGINEERING	use HYDRAULIC LABORATORIES HYDRODYNAMIC PRESSURE 1 BT PRESSURE RTFLUID DYNAMICS
HYDRAULIC CONTROL HYDRAULIC DESIGNHYDRAULIC ENGINEERING HYDRAULIC LABORATORIES	use HYDRAULIC LABORATORIES HYDRODYNAMIC PRESSURE 1 BT PRESSURE RTFLUID DYNAMICSFLUID FLOW
HYDRAULIC CONTROL HYDRAULIC DESIGNHYDRAULIC ENGINEERING HYDRAULIC LABORATORIESHYDRAULIC MODELS	USE HYDRAULIC LABORATORIES HYDRODYNAMIC PRESSURE 1 BT PRESSURE RTFLUID DYNAMICSFLUID FLOWPLUID MECHANICS
HYDRAULIC CONTROL HYDRAULIC DESIGNHYDRAULIC ENGINEERING HYDRAULIC LABORATORIES	use HYDRAULIC LABORATORIES HYDRODYNAMIC PRESSURE 1 BT PRESSURE RTFLUID DYNAMICSFLUID FLOWPLUID MECHANICS HYDRAULIC PRESSURE
HYDRAULIC CONTROL HYDRAULIC DESIGNHYDRAULIC ENGINEERING HYDRAULIC LABORATORIESHYDRAULIC MODELS HYDRAULIC FROPERTIES	USE HYDRAULIC LABORATORIES HYDRODYNAMIC PRESSURE 1 BT PRESSURE RTFLUID DYNAMICSFLUID FLOWPLUID MECHANICS
HYDRAULIC CONTROL HYDRAULIC DESIGNHYDRAULIC ENGINEERING HYDRAULIC LABORATORIESHYDRAULIC MODELS HYDRAULIC PROPERTIES HYDRAULIC RESEARCH	use HYDRAULIC LABORATORIES HYDRODYNAMIC PRESSURE 1 BT PRESSURE RTFLUID DYNAMICSFLUID FLOWPLUID MECHANICS HYDRAULIC PRESSUREHYDRAULICS
HYDRAULIC CONTROL HYDRAULIC DESIGNHYDRAULIC ENGINEERING HYDRAULIC LABORATORIESHYDRAULIC MODELS HYDRAULIC PROPERTIES HYDRAULIC RESEARCH HYDRAULIC SIMILITUDE	USE HYDRAULIC LABORATORIES HYDRODYNAMIC PRESSURE 1 BT PRESSURE RTFLUID DYNAMICSPLUID FLOWPLUID MECHANICS HYDRAULIC PRESSUREHYDRAULICS HYDRAULICS HYDRODYNAMICS
HYDRAULIC CONTROL HYDRAULIC DESIGNHYDRAULIC ENGINEERING HYDRAULIC LABORATORIESHYDRAULIC MODELS HYDRAULIC PROPERTIES HYDRAULIC RESEARCH HYDRAULIC SIMILITUDE HYDRAULIC TRANSIENTS	USE HYDRAULIC LABORATORIES HYDRODYNAMIC PRESSURE 1 BT PRESSURE RTFLUID DYNAMICSFLUID FLOWPLUID MECHANICS HYDRAULIC PRESSUREHYDRAULICS HYDRODYNAMICS PRESSURE REGULATORS
HYDRAULIC CONTROL HYDRAULIC DESIGNHYDRAULIC ENGINEERING HYDRAULIC LABORATORIESHYDRAULIC MODELS HYDRAULIC PROPERTIES HYDRAULIC RESEARCH HYDRAULIC SIMILITUDE HYDRAULIC TRANSIENTSHYDRAULIC VALVES	USE HYDRAULIC LABORATORIES HYDRODYNAMIC PRESSURE 1 BT PRESSURE RTFLUID DYNAMICSFLUID FLOWPLUID MECHANICS HYDRAULIC PRESSUREHYDRAULICS HYDRODYNAMICS PRESSURE REGULATORS SURGES
HYDRAULIC CONTROL HYDRAULIC DESIGNHYDRAULIC ENGINEERING HYDRAULIC LABORATORIESHYDRAULIC MODELS HYDRAULIC PROPERTIES HYDRAULIC RESEARCH HYDRAULIC SIMILITUDE HYDRAULIC TRANSIENTSHYDRAULIC VALVES	USE HYDRAULIC LABORATORIES HYDRODYNAMIC PRESSURE 1 BT PRESSURE RTFLUID DYNAMICSFLUID FLOWPLUID MECHANICS HYDRAULIC PRESSUREHYDRAULICS HYDRODYNAMICS PRESSURE REGULATORS
HYDRAULIC CONTROL HYDRAULIC DESIGNHYDRAULIC ENGINEERING HYDRAULIC LABORATORIESHYDRAULIC MODELS HYDRAULIC PROPERTIES HYDRAULIC PROPERTIES HYDRAULIC SIMILITUDE HYDRAULIC TRANSIENTSHYDRAULIC TRANSIENTSHYDRAULIC VALVES HYDRODYNAMIC PRESSURE	USE HYDRAULIC LABORATORIES HYDRODYNAMIC PRESSURE 1 BT PRESSURE RTFLUID DYNAMICSFLUID FLOWPLUID MECHANICS HYDRAULIC PRESSUREHYDRAULICS HYDRODYNAMICS PRESSURE REGULATORS SURGES
HYDRAULIC CONTROL HYDRAULIC DESIGNHYDRAULIC LABORATORIESHYDRAULIC LABORATORIESHYDRAULIC MODELS HYDRAULIC PROPERTIES HYDRAULIC RESEARCH HYDRAULIC SIMILITUDE HYDRAULIC TRANSIENTSHYDRAULIC VALVES HYDRODYNAMICS	USE HYDRAULIC LABORATORIES HYDRODYNAMIC PRESSURE 1 BT PRESSURE RTFLUID DYNAMICSFLUID FLOWPLUID MECHANICS HYDRAULIC PRESSUREHYDRAULICS HYDRODYNAMICS PRESSURE REGULATORS SURGES WATER HAMMER
HYDRAULIC CONTROL HYDRAULIC DESIGNHYDRAULIC ENGINEERING HYDRAULIC LABORATORIESHYDRAULIC MODELS HYDRAULIC PROPERTIES HYDRAULIC PROPERTIES HYDRAULIC SIMILITUDE HYDRAULIC TRANSIENTSHYDRAULIC TRANSIENTSHYDRAULIC VALVES HYDRODYNAMIC PRESSURE	USE HYDRAULIC LABORATORIES HYDRODYNAMIC PRESSURE 1 BT PRESSURE RTFLUID DYNAMICSFLUID FLOWPLUID MECHANICS HYDRAULIC PRESSUREHYDRAULICS HYDRODYNAMICS PRESSURE REGULATORS SURGES

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HYDRODYNAMICS 1 2 4
NOTE: Branch of hydromechanics
which is concerned with the
action of forces in producing
                                                                                                                 HYDROELECTRIC POWER (Con.)
HT AFTERBAYS
--DAMS
                                                                                                                              ELECTRIC GENERATORS
    motion
BT FLUID DYNAMICS
FLUID MECHANICS
HYDROMECHANICS
                                                                                                                              FOREBAY DAMS
FOREBAYS
                                                                                                                         --HYDRAULIC TURBINES
--HYDRAULIC VALVES
HYDROELECTRIC PLANTS
MULTIPURPOSE PROJECTS
            AERODYNAMICS
CONTINUITY EQUATION
          -- DYNAMICS
                                                                                                                              MULTIPURPOSE RESERVOIRS
PEAK POWER
         --FLOW
        --FLUID FLOW
                                                                                                                              PENSTOCKS
PUMPED STORAGE
        --GAS DYNAMICS
HEAD LOSSES
HYDRAULIC PRESSURE
--HYDRAULICS
                                                                                                                          RIVER BASIN DEVELOPMENT
SURGE TANKS
WATER POWER
--WATER TUNNELS
           -HYDRAULICS
HYDROVAMMIC PRESSURE
HYDROSTATIC PRESSURE
HYDROSTATICS
INCOMPRESSIBLE FLOW
KINETIC ENERGY
OCEAN CIRCULATION
OCEAN CURRENTS
-OCEAN WAVES
                                                                                                                 HYDROELECTRIC POWER GENERATION 1 4 7
                                                                                                                     BT ELECTRIC POWER GENERATION
NT TIDAL POWER GENERATION
                                                                                                                             GENERATORS
PUMPED STORAGE
                                                                                                                          -- RESERVOIRS
             POTENTIAL FLOW
PRESSURE HEAD
                                                                                                                 HYDROELECTRIC POWER
PLANTS 1 2 3 4 6
USE HYDROELECTRIC PLANTS
            -UNDERWATER EXPLOSIONS
         --WATER
            WATER FLOW
WATER HAMMER
                                                                                                                 HYDROFOILS
                                                                                                                     RT--BOATS
NAVAL ARCHITECTURE
 HYDROELASTICITY
                                                                                                                          --SHIPS
     BT MECHANICAL PROPERTIES
RT THERMOELASTICITY
                                                                                                                 HYDROGEN BOMBS
             VISCOELASTICITY
                                                                                                                     use FUSION WEAPONS
 HYDROELECTRIC PLANTS 1 2 3 4 6
UF HYDROELECTRIC POWER
                                                                                                                 HYDROGEN ION CONCENTRATION 2 3 7
                                                                                                                     use ph
     PLANTS
BT ELECTRIC POWER PLANTS
                                                                                                                 HYDROGEN IONS
          AFTERBAYS
APPROACH CHANNELS
                                                                                                                     use PROTONS
         COOLING TOWERS
                                                                                                                 HYDROGEN PEROXIDE
BT OXIDES
        --DAMS
DRAFT TUBES
--ELECTRIC GENERATORS
--ELECTRIC POWER
ELECTRICAL ENGINEERING
FLOOD CONTROL
HIGH PRESSURE GATES
--HYDRAULIC ENGINEERING
--HYDRAULIC GATES
--HYDRAULIC TUBINES
--HYDRAULIC VALVES
--HYDRAULICS
--HYDRAULICS
--HYDRAULICS
--HYDRAULICS
--HYDRAULICS
--HYDRAULICS
--HYDROLECTRIC POWER
                                                                                                                 HYDROGEN SULFIDE 3 6 7
                                                                                                                     BT GASES
SULFIDES
                                                                                                                    RT--DECOMPOSING ORGANIC
MATTER
EUTROPHICATION
                                                                                                                          -- EXHAUST GASES
                                                                                                                         --SEWERS
                                                                                                                            SULFUR DIOXIDE
                                                                                                                HYDROGENESIS
         --HYDHAULICE IC POWER
HYDHOELECTHIC POWER
INDUSTRIAL PLANTS
INTAKE GATES
--INTAKE STRUCTURES
INTAKE TOWERS
MULTIPURPOSE RESERVOIRS
                                                                                                                    NOTE: Process of natural condensation of moisture in the air voids in surface soils or rocks
RT--MOISTURE
DORE WATER
                                                                                                                        PORE WATER
--POROSITY
            OUTLET WORKS
PENSTOCKS
                                                                                                                            VOIDS
             PONDAGE
        POWDER HEAD
PUBLIC WORKS
--PUMP TURBINES
                                                                                                                HYDROGEOLOGY
                                                                                                                   YDHOGEOLOGY 1 2
NOTE: Science dealing with
the occurrence and distribution
of underground water
UF GEONYDHOLOGY
GROUNDWATER GEOLOGY
        --PUMP TURBINES
PUMPED STORAGE
--RESERVOIR OPERATION
--RESERVOIRS
RIVER BASIN DEVELOPMENT
RIVER ENGINEERING
SURGE TANKS
                                                                                                                            GEOLOGY
                                                                                                                            AQUIFERS
                                                                                                                            DEPOSITION
             TAILRACES
                                                                                                                            DRAINAGE DENSITY
                                                                                                                            EARTH HYDROSPHERE
ENGINEERING GEOLOGY
            TAILWATER
             TUNNEL PRESSURE
         --WATER
                                                                                                                        -- EROSION
         --WATER TUNNELS
                                                                                                                        -- GEOMOR PHOLOGY
                                                                                                                        GLACIOLOGY
--GROUNDWATER
HYDROELECTRIC POWER
BT ELECTRIC POWER
                                                                                                                           GROUNDWATER ELEVATION
```

HYDROGEOLOGY (Con.)	HYDROGRAPHS (Con.)
GROUNDWATER HYDRAULICS	FLOODS
GROUNDWATER MAPS	FLOW
GROUNDWATER SUPPLY	GROUNDWATER
	HYDROGRAPHIC ANALYSIS
HYDRAULIC CONDUCTIVITY	HYDROGRAPHIC DATA
HYDROLOGIC MODELS	HYDROGRAPHIC SURVEYING
HYDROLOGY	INFILTRATION (WATER)
PETROLEUM GEOLOGY	
SPRINGS (WATER)	OBSERVATION WELLS
STRATIGRAPHY	PEAK FLOODS
STREAM DRAINAGE PATTERNS	PROBABLE MAXIMUM PRECIPITATION
STREAMS	RAIN AND RAINFALL
SUBSURFACE WATERS	RAINFALL-RUNOFF RELATIONSHIPS
SURFACE WATERS	RECESSION CURVES
UNDERGROUND STREAMS	RIVER REGULATION
VADOSE WATER	RUNOFF
WATER WELLS	STORMS
	STREAM FLOW
HYDROGRAPH ANALYSIS 1	STREAM GAGES
RT FLOOD FORECASTING	STREAM GAGING
HYDROGRAPHS	STREAMFLOW DEPLETION
MAXIMUM PROBABLE FLOOD	STREAMFLOW FORECASTING
RIVER FORECASTING	TIME LAG
SIMULATED RAINFALL	TIME SERIES ANALYSIS
UNIT HYDROGRAPHS	WATER LEVELS
	WATER PROPERTIES
HYDROGRAPHIC DATA 1	WATERSHEDS
RT HYDROGRAPHIC SURVEYING	
HYDROGRAPHS	HYDROGRAPHY 1 2 7
HYDROGRAPHY	NOTE: Science of measuring and
	studying oceans, seas, rivers,
HYDROGRAPHIC SONAR 1	and other waters and their
UF UNDERWATER CONTOUR SCANNING	marginal land areas
RT SOUNDING METHODS (WATER)	RT BATHYMETRY
	COASTS
HYDROGRAPHIC SURVEYING 1	GEOPHYSICS
UF MARINE SURVEYING	HYDRAULIC ENGINEERING
NAUTICAL SURVEYING	HYDROGRAPHIC DATA
BT SURVEYING	HYDROGRAPHIC SURVEYING
RT HYDROGRAPHIC DATA	HYDROGRAPHIC SURVEYS
HYDROGRAPHS	HYDROLOGY
HYDROGRAPHY	LAKE MORPHOMETRY
	LIMNOLOGY
HYDROGRAPHIC SURVEYS 1 2	MEASUREMENT
UF MARINE SURVEYS	OCEAN TIDES
NAUTICAL SURVEYS	OCEANIC REGIONS
RT AERIAL SURVEYS	OCEANOGRAPHY
COASTS	SURFACE WATERS
DEPTH FINDERS	TIDAL HYDRAULICS
DRAINAGE PATTERNS	WATER
GEODETIC SURVEYS	
HYDROGRAPHIC DATA	HYDROLOGIC BUDGET 1
HYDROGRAPHS	RTDISCHARGE (WATER)
HYDROGRAPHY	FLOODS
LAKES	GROUNDWATER
MAPPING	HYDROLOGY
MARINE GEODESY	INFILTRATION (WATER)
OCEANS	STREAM FLOW
PHOTOGRAMMETRY	WATER BALANCE
RIVERS	WATER STORAGE
SEA LEVEL CHANGES	
SITE SELECTION STUDIES	HYDROLOGIC CYCLE 1 7
SOUNDING METHODS (WATER)	NOTE: Circulation of water
STREAMS	from the ocean into the
SUBMARINE TOPOGRAPHY	atmosphere, thence to the earth, and back to the ocean
SURFACE WATERS	earth, and back to the ocean
SURVEYING	UF WATER CYCLE
TIDE GAGES	RT ATMOSPHERE
UNDERWATER SURVEYS	CIRCULATION
	ENERGY BUDGET
HYDROGRAPHS 1	EVAPORATION
UF CHARACTERISTIC HYDROGRAPHS	GROUNDWATER
NT FLOOD HYDROGRAPHS	GROUNDWATER SOURCES
UNIT HYDROGRAPHS	HYDROLOGY
RT BASE FLOW	METEORIC WATER
CHARTS	METEOROLOGY
DESIGN FLOOD	OCEANS
DESIGN FLOW	PRECIPITATION (METEOROLOGY)
DESIGN STORM	RAIN AND RAINFALL
DISCHARGE (WATER)	RUNNING WATERS
DISTRIBUTION PATTERNS	SOLAR RADIATION
DRAINAGE	SUBSURFACE WATERS
FLOOD ROUTING	SURFACE WATERS

HYDROLOGIC CYCLE (Con.) HYDROLOGIC INSTRUMENTS NT HOOK GAGES --TRANSPIRATION WATER BALANCE -WATER CIRCULATION LIQUID LEVEL INDICATORS
MANOMETERS --PRECIPITATION GAGES
--PRESSURE GAGES --WATER CURRENTS WATER LOSS RAIN GAGES SNOW GAGES STAFF GAGES STREAM GAGES WATER RESOURCES HYDROLOGIC DATA 1 5 6
BT TERRAIN DATA
RT DEPTH-AREA-DURATION
ANALYSIS WEIR GAGES RT--GAGING STATIONS --HYDROMETEOROLOGICAL STATIONS SEDIMENT SAMPLING SNOW SAMPLERS SNOW SURVEYS DRAFT-STORAGE CURVES DRIFT BOTTLES DURATION CURVES
FLOW DURATION
FLOW DURATION CURVES
FREQUENCY CURVES SNOWFALL WATER MEASUREMENT WATER STAGE RECORDERS -GROUNDWATER MASS CURVES METEOROLOGICAL DATA RIVER PORECASTING HYDROLOGIC MODELS BT MODELS NT AQUIFER MODELS RT ANALOG MODELS -STREAMS --SIREAMS
--SURFACE WATERS
WATER STAGE RECORDERS
WATER TABLE AQUICLUDES --AQUIFERS AQUITARDS DUPUIT-FORCHHEIMER THEORY HYDROLOGIC EQUATION --GROUNDWATER GROUNDWATER BASINS --GROUNDWATER FLOW RT--DISCHARGE (WATER) EQUILIBRIUM --EVAPORATION
--GROUNDWATER GROUNDWATER RECHARGE HYDROGEOLOGY --MATHEMATICAL MODELS -- GROUNDWATER FLOW INFLOW OUTFLOW OVERFLOW THEIS EQUATION THIEM EQUATION OVERLAND FLOW HYDROLOGIC PROPERTIES
RT CAPILLARITY
DIFFUSIVITY --STREAM FLOW SUBSURFACE RUNOFF --SUBSURFACE WATERS SURFACE-GROUNDWATER HYDRAULIC CONDUCTIVITY
--HYDRAULIC PROPERTIES
MOISTURE CONTENT RELATIONSHIPS
--SURPACE WATERS
TRANSPIRATION
--WATER STORAGE
--WATER SUPPLY PERMEABILITY
SPECIFIC RETENTION
SPECIFIC YIELD
TRANSMISSIVITY HYDROLOGIC GEOMETRY 1 5
BT GEOMETRY
RT APPROACH GEOMETRY
DEPARTURE GEOMETRY
HYDRAULIC GEOMETRY
LAND-WATER INTERFACE
OCEAN BOTTOM
--RIVERS WATER PROPERTIES DROLOGY 1 2 4 7
NOTE: Science treating of water,
its properties, phenomena,
and distribution over the HYDROLOGY earth's surface FLOOD HYDROLOGY GROUNDWATER HYDROLOGY LIMNOLOGY STREAM CROSSINGS --STREAMS PALEOHYDROLOGY POTAMOLOGY SYNTHETIC HYDROLOGY URBAN HYDROLOGY TERRAIN
--TERRAIN CLASSIFICATION --WATER RT--DRAINAGE HYDROLOGIC GEOMETRY CLASSIFICATION BT CLASSIFICATIONS TERRAIN CLASSIFICATION RT--HYDROLOGIC GEOMETRY FACTORS DROUGHTS EARTH HYDROSPHERE
--EVAPORATION EVAPORATION
EVAPOTRANSPIRATION
FLOOD CONTROL
FLOOD ESTIMATES
FLOOD FORECASTING HYDROLOGIC GEOMETRY FACTORS 5

UP HYDROLOGIC GEOMETRY FEATURES

BT TERRAIN FACTORS

NT APPROACH GEOMETRY

DEPARTURE GEOMETRY

STREAM USE OCITY FLOOD HYDROGRAPHS FLOOD PEAKS FLOOD ROUTING FLOOD STAGES STREAM VELOCITY HYDROLOGIC GEOMETRY RT FLOOD WAVES CLASSIFICATION --FLOW GEOCHEMISTRY HYDROLOGIC GEOMETRY FEATURES 5
use HYDROLOGIC GEOMETRY FACTORS GEOPHYSICS -GROUNDWATER HYDROLOGIC GEOMETRY MAPPING 5 GROUNDWATER HYDRAULICS
--HYDRAULIC ENGINEERING
--HYDRAULICS MAPPING TERRAIN MAPPING

HYDROGEOLOGY

HYDROLOGY (Con.)	HYDROMETEOROLOGY (Con.)
HYDROGRAPHY	HYDROLOGY
HYDROLOGIC BUDGET	RAIN AND RAINFALL
HYDROLOGIC CYCLE HYDROMETEOROLOGY	RIVER FORECASTING STREAMFLOW RECORDS
INFILTRATION (WATER)	STREAMPLOW RECORDS
LIMNOLOGY	HYDROMETER ANALYSIS 2 3 5
METEOROLOGY	UF HYDROMETER METHOD
PRECIPITATION (METEOROLOGY)	BT GRAIN SIZE ANALYSIS
PROBABLE MAXIMUM PRECIPITATION	INDEX TESTS
RAIN AND RAINFALL	SOIL ANALYSIS SOIL TESTS (LABORATORY)
RESERVOIR YIELD	WET ANALYSIS
RIVER BASINS	RTCHEMICAL ANALYSIS
RIVER CURRENTS	DENSITY MEASUREMENT
RIVER REGULATION	FINE GRAINED SOILS
RUNOFF STREAM DRAINAGE PATTERNS	FINES HYDROMETERS
STREAM FLOW	SPECIFIC GRAVITY
SURFACE WATERS	STOKES LAW
WATER	WEIGHT MEASUREMENT
WATER CONSERVATION	
WATER RESOURCES	HYDROMETER METHOD 2 3 5
WATER STORAGE WATER SUPPLY	use HYDROMETER ANALYSIS
WATER SUPPLY FORECASTING	HYDROMETERS 1 2
WATERSHEDS	NOTE: Instruments for
	measuring the specific
HYDROLYSIS 2 3	gravity of a liquid
NOTE: Change in the chemical composition of matter	BT MEASURING INSTRUMENTS RT HYDROMETER ANALYSIS
produced by combination with	RT HYDROMETER ANALYSIS HYDROMETRY
water	SPECIFIC GRAVITY DETERMINATION
BT CHEMICAL REACTIONS	
RT DECOMPOSITION	HYDROMETRY 1
HYDRATIONION EXCHANGE	RT HYDROMETERS
MOISTURE	WATER PROPERTIES
SOLUTION PHENOMENA (GEOLOGY)	HYDROPHILIC ANIMALS 7
•	use AQUATIC ANIMALS
HYDROMECHANICS 1 2 4	
NOTE: Theoretical, experimental,	HYDROPHONES 1 4
or practical study of the	BT ACOUSTIC DETECTORS
action of forces on water BT FLUID MECHANICS	DETECTORS RTACOUSTIC MEASURING
NT HYDRODYNAMICS	INSTRUMENTS
HYDROSTATICS	ACOUSTICS
RT CONTINUUM MECHANICS	SONICS
CONVECTION	UNDERWATER ACOUSTICS
FLOW FLUID DYNAMICS	HYDROPHOTOMETERS 1
FLUID FLOW	BT PHOTOMETERS
HYDRAULIC GRADIENTS	111010121212
HYDRAULICS	HYDROPLANING 3 5
PRESSURE GRADIENTS	RT GROOVING (PAVEMENTS)
WATER	NONSKID SURFACES
HYDROMETEOROLOGICAL STATIONS 1 6	PAVEMENT PERFORMANCE AND EVALUATION
BT STATIONS	SKID RESISTANCE
NT STREAM GAGING STATIONS	SURFACE FRICTION
RTCLIMATOLOGY	TIRE-PAVEMENT INTERACTION
EVAPORATION	TIRE SIDE SLIP
GAGING STATIONS HUMIDITY	HYDROSPHERE (EARTH) 1
HYDROLOGIC INSTRUMENTS	use EARTH HYDROSPHERE
METEOROLOGY	dec Salli ilisadorinino
PRECIPITATION GAGES	HYDROSTATIC COMPRESSION TESTS 2 3
RAIN GAGES	UF ISOTROPIC COMPRESSION TESTS
STHEAM GAGING STREAMFLOW RECORDS	BT COMPRESSION TESTS
TEMPERATURE	HYDROSTATIC TESTS SOIL TESTS (LABORATORY)
WATER MEASUREMENT	RT BULK MODULUS
WIND (METEOROLOGY)	STATIC TESTS
IMPROMETER POLICIAN .	STRESS-STRAIN CURVES
HYDROMETEOROLOGY 1	TENSILE STRENGTH
NOTE: Part of meteorology directly concerning hydrologic	HANDOCATALLO DEECCHEE
problems, as flood control.	HYDROSTATIC PRESSURE 1 2 3 4 BT PRESSURE
irrigation, and similar fields	WATER PRESSURE
BT METEOROLOGY	RTEARTH PRESSURE
HT CLOUDS	FLUID MECHANICS
FLOOD CONTROL	GROUNDWATER ELEVATION
FLOOD FORECASTING FLOODS	HEAD (FLUID MECHANICS)
HAIL	HYDRAULIC GRADIENTS HYDRAULIC PRESSURE
IIII A LO	HIDIMODIC FIEDDOILE

HYDROSTATIC PRESSURE (Con.)
HYDRODYNAMICS -HYDROSTATIC TESTS HYDROSTATICS JETS (FLUIDS)
NEGATIVE PRESSURE PIPE TESTS PORE WATER PRESSURE PRESSURE HEAD PRESSURE PIPES PRESSURE TESTS --PUMPING
RELIEF WELL THEORY
SEEPAGE PRESSURE
UPLIFT PRESSURE
VAPOR PRESSURE WATER PROPERTIES HYDROSTATIC STRESS 3 4 BT STRESSES HYDROSTATIC TESTS 1 3 4 NT HYDROSTATIC COMPRESSION TESTS COMPRESSION TESTS HIGH TEMPERATURE TESTS -HYDRAULICS HYDROSTATIC PRESSURE HYDROSTATICS --IMPACT TESTS
LOW TEMPERATURE TESTS
--STATIC TESTS
--TENSILE PROPERTIES
--TENSILE STRENGTH
TENSILE STRESS
--TENSILE STRESS -- TENSION TESTS HYDROSTATICS 1 2 4 NOTE: Branch of hydromechanics which is concerned with the action of forces in producing rest or equilibrium FLUID MECHANICS HYDROMECHANICS STATICS AEROSTATICS ELEVATION
--HEAD (FLUID MECHANICS)
HEAD LOSSES
HYDRAULIC GRADIENTS
HYDRAULIC PRESSURE
--HYDRAULICS --HYDRODYNAMICS
HYDROSTATIC PRESSURE
HYDROSTATIC TESTS LIQUIDS PRESSURE GRADIENTS PRESSURE HEAD UPLIFT PRESSURE --WATER --WATER PRESSURE WATER TUNNELS (TESTING) HYDROTHERMAL ALTERATION 2 3 RT GEYSERS METAMORPHIC PETROLOGY METAMORPHIC ROCKS THERMAL WATERS HYDROTHERMAL REACTIONS 3 RT AUTOCLAVING -- STEAM CURING (DROXIDES 3
NT ALUMINUM HYDROXIDES
AMMONIUM HYDROXIDES
BARIUM HYDROXIDES
CALCIUM HYDROXIDES
LITHIUM HYDROXIDES HYDROXIDES MAGNESIUM HYDROXIDES POTASSIUM HYDROXIDES SODIUM HYDROXIDE

RT--ALKALIES

HYETOGRAPHS RT--CHARTS

HYETOGRAPHS (Con.)
DEPTH-AREA CURVES RAIN AND RAINFALL HYGROMETERS GROMETERS 1 3
BT MEASURING INSTRUMENTS
MOISTURE METERS NT PSYCHROMETERS CHEMICAL ANALYSIS
METEOROLOGICAL INSTRUMENTS
MOISTURE CONTENT HYGROMETRY 1
RT ATMOSPHERE
HUMIDITY
MOISTURE CONTENT HYGROSCOPIC MOISTURE 1 2 use HYGROSCOPIC WATER HYGROSCOPIC WATER 1 2
UF HYGROSCOPIC MOISTURE
BT SOIL MOISTURE
SUBSURFACE WATERS VADOSE WATER RT--ABSORPTION ADSORBED WATER ADSORPTION CAPILLARY WATER COLLOIDS --EARTH-WATER INTERFACES
--MOISTURE SURFACE TENSION HYPERBOLIC PARABOLIC SHELLS 3 BT SHELLS (STRUCTURAL PORMS) STRUCTURAL FORMS HYPERSONIC AIRCRAFT 2 4
NOTE: Designed to fly at
speeds equal to or in excess
of five times the speed of sound
BT AIRCRAFT
RT JET AIRCRAFT
--MILITARY AIRCRAFT
ROCKET FLANES SUPERSONIC AIRCRAFT HYPERSONIC FLOW UF HYPERSONICS BT COMPRESSIBLE FLOW FLUID FLOW RT AERODYNAMICS -- GAS FLOW HYPERVELOCITY WIND TUNNELS -- SHOCK WAVES HYPERSONIC WIND TUNNELS USE WIND TUNNELS HYPERSONICS use HYPERSONIC FLOW NOTE: Space of more than three dimensions BT SPACE HYPERVELOCITY IMPACT 4
BT IMPACT HYPERVELOCITY WIND TUNNELS 1 BT WIND TUNNELS RT HYPERSONIC FLOW HYPOLIMNION NOTE: Region below the thermocline in a body of water UF BOTTOM WATER RT EPILIMNION LIMNOLOGY

HYPOLIMNION (Con.)
PROFUNDAL ZONE
--RESERVOIRS
STAGNANT WATER
--STRATIFICATION (WATER)
THERMAL STRATIFICATION
THERMOCLINES

HYPSOMETERS 6
BT MEASURING INSTRUMENTS
RT HYPSOMETRY
METEOROLOGICAL INSTRUMENTS

HYPSOMETRY 6
NOTE: Science of measuring heights
RT HYPSOMETERS

HYSTERESIS 1 2 3 4
RT--ADSORPTION
--DAMPING
HYSTERETIC MEDIA
INTERNAL FRICTION
--MECHANICAL PROPERTIES
REBOUND
RECOMPRESSION
--SHEAR PROPERTIES
--STRESS-STRAIN RELATIONS
STRESSES
--TENSILE PROPERTIES
TOLERANCES (MECHANICS)

HYSTERETIC MEDIA 2
NOTE: Media having different
stress-strain relations
during loading and unloading
RT HYSTERESIS
--STRESS-STRAIN RELATIONS

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BEAMS 2 3 4
BT BEAMS (SUPPORTS)
STRUCTURAL MEMBERS
RT CANTILEVER BEAMS
CONTINUOUS BEAMS
CURVED BEAMS
                                                                                                            ICE CORES (Con.)
CRYOLOGY
                                                                                                                    --ICE
                                                                                                                       ICE MECHANICS
                                                                                                                       ICE SAMPLERS
ICE SAMPLING
             GRILLAGE FOOTINGS
                                                                                                               CE COVER 1
RT FRAZIL ICE
--ICE
ICE LOADS
ICE-WATER INTERPACES
LAKE ICE
RIVER ICE
             JOISTS
                                                                                                            ICE COVER
             TRUSSES
            1 2 3 5 6
SURFACE COMPOSITION
            DRY ICE
FLOATING ICE
             FRAZIL ICE
HAIL
ICE LENSES
ICEBERGS
                                                                                                            ICE FOG 7
NOTE: Hydrometeor which consists of a fog formed of ice spicules, usually in clear, cold, windless weather
BT FOG
            LAKE ICE
RIVER ICE
SEA ICE
ABLATION
             AVALANCHES
BEARING CAPACITY (ICE AND
                                                                                                            ICE FORMATION 1 3
                                                                                                               UF ICING
RT DEICING
          SNOW)
--CLIMATOLOGY
                                                                                                                   FREEZE-THAW DURABILITY
--FREEZING
            COLD WEATHER CONSTRUCTION
COLD WEATHER OPERATIONS
                                                                                                                    --ICE
ICE BREAKUP
             CREVASSES
             CRYOLOGY
                                                                                                                       ICE-WATER INTERFACES
          -- FREEZING
                                                                                                           ICE HARDNESS 5
BT HARDNESS
RT--ICE
ICE COHESION
ICE MECHANICS
ICE STRENOTH
         --FROST ACTION
GLACIAL GEOLOGY
GLACIERS
            GLACIERS
ICE BREAKUP
ICE COHESION
ICE CONTROL
ICE CORES
ICE COVER
ICE FORMATION
                                                                                                                    -- MECHANICAL PROPERTIES
                                                                                                                       SEA ICE
                                                                                                               CE JAMS 1
RT--FLOATING ICE
--ICE BREAKUP
ICE LOADS
MELTING
--NAVIGATION
BLUEB ICE
                                                                                                            ICE JAMS
             ICE HARDNESS
ICE JAMS
ICE LOADS
ICE MECHANICS
             ICE PREVENTION
ICE SAMPLING
         ICE STRENGTH
ICE-WATER INTERPACES
--MELT WATER
PERMAFROST
                                                                                                                       RIVER ICE
                                                                                                                    --STREAMS
                                                                                                            ICE LENSES
                                                                                                               CE LENSES 1 2
UF LENSES (ICE)
BT ICE
RT CAPILLARITY
         -- POLAR REGIONS
SLUSH
             SNOW
          --STORMS
                                                                                                                       CAPILLARY WATER
CAPILLARY ZONE
CONGELITURBATION
         SUBARCTIC REGIONS
--TRAFFICABILITY
                                                                                                                       FROST
 ICE BREAKUP
    E BREAKUP 1
RT--FLOATING ICE
                                                                                                                   -- FROST ACTION
FROZEN SOILS
        --ICE
ICE FORMATION
                                                                                                                       ICE PREVENTION
PERMAFROST
            ICE JAMS
MELTING
                                                                                                                       SOIL FREEZING TESTS
                                                                                                           UP ICE PRESSURE ON HYDRAULIC STRUCTURES ICE PRESSURES
BT LOADS (FORCES)
RT CRYOLOGY
ICE COHESION
    BT COMESION 5
RT--ICE
            ICE HARDNESS
            ICE MECHANICS
           MECHANICAL PROPERTIES
PERMAFROST PROPERTIES
                                                                                                                   --DAM DESIGN
                                                                                                                      -DAMS
DEAD LOADS
DYNAMIC LOADS
EXTERNAL FORCES
HORIZONTAL LOADS
ICE CONTROL
    E CONTROL 1 3 6
NT DEICING
ICE PREVENTION
    RT DEICERS
FROST PROTECTION
                                                                                                                   --ICE
ICE CONTROL
ICE COVER
ICE JAMS
        --HEATING
        --ICE
ICE LOADS
                                                                                                                      ICE MECHANICS
ICE PREVENTION
           TEMPERATURE CONTROL
                                                                                                                      -LIVE LOADS
SEA WALLS
   E CORES 2
BT CORES
RT BEARING CAPACITY (ICE AND SNOW)
ICE CORES
                                                                                                                      SHORE PROTECTION
SLOPE PROTECTION
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ICE MECHANICS 1 2 5
RT BEARING CAPACITY (ICE AND SNOW)
                                                                                       ICE-WATER INTERFACES (Con.)
                                                                                                LAKE ICE
         CRYOLOGY
                                                                                       ICEBERGS 1
BT ICE
FLOATING ICE
         GLACIOLOGY
      --ICE
ICE COHESION
         ICE CORES
                                                                                          RT ABLATION
          ICE HARDNESS
                                                                                                OCEANS
                                                                                                SEA ICE
SEA WATER
         ICE LOADS
ICE SAMPLING
         ICE STRENGTH
KELVIN FUNCTIONS
                                                                                       ICING 1 3
use ICE FORMATION
       -- MECHANICAL PROPERTIES
SEA ICE
          SNOW MECHANICS
                                                                                       IGNEOUS BRECCIA
                                                                                          BT BRECCIA
IGNEOUS ROCKS
ICE ON RIVERS, LAKES, ETC. 1
use FLOATING ICE
FRAZIL ICE
LAKE ICE
                                                                                                 INTRUSIVE ROCKS
                                                                                          RT METAMORPHIC BRECCIA
SEDIMENTARY BRECCIA
          RIVER ICE
          SEA ICE
                                                                                       IGNEOUS PETROLOGY 2 3
BT GEOLOGY
ICE PRESSURE ON HYDRAULIC
STRUCTURES 1 2 3
use ICE LOADS
                                                                                                 PETROLOGY
                                                                                                 PHYSICAL GEOLOGY
                                                                                          RT--IGNEOUS ROCKS
ICE PRESSURES 2
use ICE LOADS
                                                                                                LAVA
MAGMA
                                                                                                 VOLCANISM
ICE PREVENTION 1 2 3 5
BT ICE CONTROL
RT COMPRESSED AIR
DEICERS
                                                                                       IGNEOUS ROCKS
                                                                                                               2 3
                                                                                          BT ROCKS
NT ANDESITE
                                                                                                 BASALT
DIORITE
          DEICING
       --ICE
          ICE LENSES
                                                                                              DOLERITE
--EXTRUSIVE ROCKS
         ICE LOADS
SKID RESISTANCE
SNOW REMOVAL
TEMPERATURE CONTROL
TEMPERATURE EFFECTS
                                                                                                 GABBRO
                                                                                                 IGNEOUS BRECCIA
                                                                                              -- INTRUSIVE ROCKS
          TRAFFICABILITY
                                                                                                LAVA
                                                                                                 OBSIDIAN
ICE SAMPLERS
BT SAMPLERS
                                                                                                 PEGMATITES
                                                                                                 PERLITE
   RT--CORE BORING SAMPLERS
CRYOLOGY
ICE CORES
ICE SAMPLING
                                                                                                 PUMICE
                                                                                                 RHYOLITE
                                                                                                 SYENITE
TONALITE
                                                                                                 TRACHYTE
                                                                                          THACHTE
TUPF
RT--AGGREGATES
--CRYSTALLINE ROCKS
IGNEOUS PETROLOGY
--IMTRUSIONS (GEOLOGY)
ICE SAMPLING 2
BT SAMPLING
RT BEARING CAPACITY (ICE AND
          CONTINUOUS SAMPLING
       -- CORE BORING SAMPLERS CRYOLOGY
                                                                                              MAGMA
--METAMORPHIC ROCKS
       --ICE
ICE CORES
                                                                                                MICA
OLIVINE
         ICE MECHANICS
ICE SAMPLERS
                                                                                              -- SEDIMENTARY ROCKS
                                                                                                 VOLCANISM
                                                                                       IGNITION TESTS 2
BT SOIL TESTS (LABORATORY)
RT--ORGANIC SOILS
ICE STRENGTH
   BT SURFACE COMPOSITION
FACTORS
   RT BEARING CAPACITY (ICE AND
                                                                                          LLITE 2 3
BT CLAY MINERALS
MINERALS
SILICATE MINERALS
       SNOW)
--ICL
ICE HARDNESS
                                                                                       ILLITE
      ICE MARCHANICS
--MECHANICAL PROPERTIES
PERMAFROST PROPERTIES
SEA ICE
                                                                                                 MONTMORILLONITE
       SNOW STRENGTH
STRENGTH OF MATERIALS
--STRENGTH THEORIES
                                                                                       ILLUMINATING
                                                                                          use LIGHTING
                                                                                          RT HEAVYWEIGHT AGGREGATES
ICE-WATER INTERFACES 1
BT BOUNDARIES (SURFACES)
                                                                                       IMMERSION TESTS (CORROSION) 3
BT CHEMICAL TESTS
CORROSION TESTS
   INTERFACES
RT--FLOATING ICE
          FROST ACTION
                                                                                          RT--ACCELERATED TESTS
ACID RESISTANCE TESTS
GALVANIC CORROSION TESTS
       --ICE
         ICE COVER
ICE FORMATION
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IMMERSION TESTS (CORROSION) (Con.)
RUSTING SALT SPRAY TESTS STRESS CORROSION TESTS WATER STAIN TESTS IMMISCIBILITY 1
RT TURBIDITY
VISCOSITY IMPACT 3 4 6
UF IMPACT PRESSURE
NT HYPERVELOCITY IMPACT
RT IMPACT CRATERS
IMPACT SHOCK
IMPACT STRENGTH
IMPACT TESTS
IMPINGEMENT MECHANICAL SHOCK -- PRESSURE --FRESSURE SHOCK ABSORPTION SHOCK MECHANICS SHOCK RESISTANCE --SHOCK WAVES --STRESSES --VELOCITY HEAD MPACT COMPACTION 2 5
BT COMPACTION (BITUMINOUS
MIXTURES)
COMPACTION (SOILS)
DENSIFICATION (SOILS)
RT--COMPACTION EQUIPMENT
HAND TAMPERS (COMPACTION) IMPACT COMPACTION -- IMPULSIVE LOADS POWER TAMPERS TAMPING TRANSIENT STRESS IMPACT CRATERS 2 4 NOTE: Formed on a surface by the impact of an unspecified ter-restrial or extraterrestrial projectile BT CRATERS NT METEORITE CRATERS RT--IMPACT
--PROJECTILES IMPACT HAMMER TESTS 3
BT CONCRETE TESTS
IMPACT TESTS
NT REBOUND HAMMER TESTS RT--COMPRESSIVE STRENGTH COMPRESSIVE STRENGTH (CONCRETE) IMPACT LOAD TESTS 2 3 4 IMPACT LOADS 2 3 4 IMPACT PILE DRIVING BT PILE DRIVING
RT DYNAMIC PILE DRIVING
FORMULAS -- PILE HAMMERS IMPACT PREDICTION 4
RT BALLISTIC TRAJECTORIES
MISSILE TRAJECTORIES IMPACT PRESSURE 3 4 6 IMPACT RESISTANCE USE IMPACT STRENGTH IMPACT SHOCK 3 4
UF LANDING IMPACT
RT--IMPACT
SHOCK MECHANICS
--SHOCK WAVES
WATER ENTRY

IMPACT STRENGTH 3 4 6
UF IMPACT RESISTANCE
BT MECHANICAL PROPERTIES
RT BRITTLENESS
--COMPRESSIVE PROPERTIES DUCTILITY
--DYNAMIC LOADS
FATIGUE (MATERIALS)
--HARDNESS -- IMPACT -- IMPACT TESTS --SHEAR PROPERTIES SHOCK RESISTANCE STRESS CONCENTRATION STRESS DISTRIBUTION --TENSILE PROPERTIES --WEAR RESISTANCE IMPACT STRENGTH TESTS 3 4 use IMPACT TESTS IMPACT TESTS 2 3 4
UF DROP TESTS (IMPACT TESTS)
IMPACT LOAD TESTS
IMPACT STRENGTH TESTS BT ROCK TESTS (LABORATORY)
NT--IMPACT HAMMER TESTS
REBOUND HAMMER TESTS
RT ACCEPTANCE TESTS BEND TESTS BRITTLE FAILURE BRITTLE FAILURE
BRITTLEMESS
--COMPRESSION TESTS
--DYNAMIC LOADS
DYNAMIC MODULUS OF ELASTICITY
FATIGUE TESTS
--FIELD TESTS
HARDINGS TESTS HARDNESS TESTS HIGH TEMPERATURE TESTS -HYDROSTATIC TESTS
--HYDROSTATIC TESTS
--IMPACT
IMPACT STRENGTH
LOW TEMPERATURE TESTS
--NONDESTRUCTIVE TESTS
RADIATION TESTS --ROCK STRENOTH
--SHEAR TESTS
SHOCK TESTS
--STRESSES --TENSION TESTS TOUGHNESS IMPEDANCE NOTE: Rate at which a substance can absorb and transmit sound IMPEDANCE TUBES BT TUBES IMPELLERS BT ROTORS RT BLOWERS CAVITATION CENTRIFUGAL PUMPS -- PUMPS TURBINE BLADES TURBINE RUNNERS --TURBINES --VANES IMPERMEABILITY 1 3 4 use PERMEABILITY IMPERMEABLE BLANKETS 1 2 3
use IMPERVIOUS BLANKETS IMPERMEABLE DIKES 1
BT DIKES (TRAINING STRUCTURES)
RT PERMEABLE DIKES PILE DIKES STONE DIKES IMPERVIOUS BLANKETS UF IMPERMEABLE BLANKETS
BT BLANKETS

IMPERVIOUS MEMBRANES (Con.)
MOISTURE CONTROL
PREPABRICATED MEMBRANES
--RESINS (SYNTHETIC)
--SEEPAGE
SCHARGE CONTROL IMPERVIOUS BLANKETS (Con.) RT--BARRIERS CANAL SEEPAGE -- DAM DESIGN DAM UNDERSEEPAGE EARTH DAM SEEPAGE EARTH-LINED CANALS EARTH LININGS SEEPAGE CONTROL SEEPAGE CONTROL DESIGN WATERPROOF COATINGS -- WATERPROOFING EARTHWORK IMPERVIOUS SOILS
RT AQUICLUDES
BENTONITE
CANAL LININGS
--CLAYEY SOILS IMPERVIOUS LININGS
IMPERVIOUS MEMBRANES
IMPERVIOUS SOILS --LEAKAGE PERMEABILITY
RESERVOIR DESIGN
RESERVOIR LEAKAGE
--RESERVOIRS --CLAYS --CLAYS
--COHESIVE SOILS
COMPACTED SOILS
CORES (DAMS)
EARTH-LINED CANALS
--FINE GRAINED SOILS
GROUNDWATER BARRIERS -RESERVOIRS
ROCKFILL DAM SEEPAGE
-SEEPAGE
SEEPAGE CONTROL
SEEPAGE CONTROL DESIGN
UNDERSEEPAGE CONTROL
-WATERPROOFING GROUNDWATER BARRIERS
IMPERVIOUS BLANKETS
IMPERVIOUS CUTOFFS
IMPERVIOUS LININGS
IMPERVIOUS MEMBRANES
PERMEABILITY (SOILS)
RESERVOIR LININGS
SEEPAGE COMTROL DESIGN
SILTS IMPERVIOUS CUTOFFS 1 2
UF CUTOFF TRENCHES
CUTOFF WALLS
CUTOFFS (IMPERVIOUS)
RT BENTONITE SLURRY METHOD --SILTS SOIL TEXTURE WATERPROOFING (SOILS) --BULKHEADS BURIED MEMBRANES CORE WALLS
CORES (DAMS)
--DAM CONSTRUCTION
--DAM DESIGN IMPINGEMENT RT--IMPACT IMPLOSIONS DAM FOUNDATION PREPARATION DAM FOUNDATIONS RT--SHOCK WAVES MFOUNDMENTS 1 7
NOTE: Bodies of water, such as ponds, confined by dams, dikes, floodgates, or other barriers
NT DETENTION RESERVOIRS
EQUALIZING RESERVOIRS DAM UNDERSEEPAGE
--EARTH DAMS
--EMBANKMENT FOUNDATIONS
GROUT CURTAINS IMPOUNDMENTS --GROUTING
IMPERVIOUS MEMBRANES
IMPERVIOUS SOILS
ROCKFILL DAMS EVAPORATION RESERVOIRS FARM PONDS SEPAGE CONTROL
SEEPAGE CONTROL
SEEPAGE CONTROL DESIGN
SHEET PILING FOREBAYS MULTIPURPOSE RESERVOIRS -- RESERVOIRS RT--DAMS UNDERSEEPAGE CONTROL --LAKES STANDING WATERS --WATERPROOFING IMPERVIOUS LININGS 1 2 3 IMPULSE-REACTION TURBINES BT LININGS RT--BARRIERS NOTE: Turbines utilizing both the impulse and reaction BURIED MEMBRANES
CANAL LININGS
CANAL SEEPAGE
--CURTAINS principles
BT HYDRAULIC TURBINES IMPULSE TURBINES 1
BT HYDRAULIC TURBINES
NT PELTON TURBINES
RT GIRARD TURBINES
JETS (FLUIDS)
TURGO-TYPE TURBINES EARTH LININGS
IMPERVIOUS BLANKETS
IMPERVIOUS MEMBRANES
IMPERVIOUS SOILS --MEMBRANES RESERVOIR LININGS IMPULSIVE LOADING 2
use IMPULSIVE LOADS --RESINS (SYNTHETIC)
--SEEPAGE --SEEPAGE CONTROL
SEEPAGE CONTROL DESIGN
WATERPROOF COATINGS
--WATERPROOFING IMPULSIVE LOADS 2 3 4 IMPACT LOADS IMPULSIVE LOADING SHOCK LOADS
SHOCK LOADS
BT DYNAMIC LOADS
LOADS (FORCES)
NT BLAST LOADS
RT-BLAST EFFECTS
--BLASTING IMPERVIOUS MEMBRANES 1 2 5 BT MEMBRANES RT--BARRIERS -BARRIERS
BURIED MEMBRANES
CANAL LININGS
CORE WALLS
IMPERVIOUS BLANKETS
IMPERVIOUS CUTOFFS
IMPERVIOUS LININGS
IMPERVIOUS SOILS
MEMBRANE WATERPROOFING --BLASTING
IMPACT COMPACTION
MACHINE POUNDATIONS
SHOCK MECHANICS
SHOCK TESTS
--SHOCK WAVES
TRAPPIC LOADS (FOUNDATIONS) -- TRANSIENT LOADS

IMPULSIVE LOADS (Con.)
TRANSIENT STRESS INCOMPRESSIBLE FLOW BT FLOW FLUID FLOW WEAPON FOUNDATIONS WIND PRESSURE AERODYNAMICS -- COMPRESSIBLE FLOW IMPULSIVELY GENERATED WAVES 2 4 -- GAS FLOW EXPLOSION GENERATED WAVES
POINT SOURCE WAVES
SINGLE PULSE WAVES
ELASTIC WAVES --HYDRAULICS HYDRODYNAMICS NEWTONIAN FLOW SHOCK WAVES INDEPENDENT FOOTINGS WAVES AIR BLAST WAVES use COLUMN FOOTINGS -- SEISMIC SURVEYS INDEX OF REFRACTION use REFRACTIVITY IMPURITIES 3 7
NT ORGANIC IMPURITIES INDEX PROPERTY TESTS IN SITU PERMEABILITY TESTS use FIELD PERMEABILITY TESTS DEX TESTS 2 5 6
UF CLASSIFICATION TESTS
INDEX PROPERTY TESTS
BT SOIL TESTS (LABORATORY)
NT-ATTERBERG LIMITS TESTS
--GRAIN SIZE ANALYSIS
HYDROMETER ANALYSIS
--LIQUID LIMIT TESTS
ONE POINT LIQUID LIMIT TESTS
PIPETTE METHOD IN SITU PLATE BEARING TESTS use FIELD PLATE BEARING TESTS IN SITU STRESS 2 use RESIDUAL STRESS IN SITU TESTS 1 2 3 4 PIPETTE METHOD PLASTIC LIMIT TESTS PLASTIC LIMIT TESTS
SHRINKAGE LIMIT TESTS
SIEVE ANALYSIS
STICKY LIMIT TESTS
--WET ANALYSIS
RT ACCEPTANCE TESTS
LIQUIDITY INDEX
PLASTICITY INDEX
SHRINKAGE INDEX
--SOLI ANALYSIS IN SITU VANE SHEAR TESTS 2
use FIELD VANE SHEAR TESTS INCENDIARY AMMUNITION
BT AMMUNITION
NT FIREBOMBS --INCENDIARY BOMBS
INCENDIARY PROJECTILES
RT BALLISTIC MISSILES
--EXPLOSIVE CHARGES --SOIL ANALYSIS --SOIL CLASSIFICATION SPECIFIC GRAVITY
TEST PROCEDURES
--UNIT WEIGHT DETERMINATION
--WATER CONTENT DETERMINATION FLAME WARPARE GRENADES GUIDED MISSILES GUNS (ORDNANCE) (SOILS) -- PROJECTILES INDICATOR SPECIES 7
NOTE: Organisms, species, or communities which indicate the presence of certain environmental conditions
RT--AQUATIC BIOLOGY -- PROPELLANTS PYROTECHNICS -- ROCKETS TRACERS (ORDNANCE) INCENDIARY BOMBS BOMBS (ORDNANCE)
INCENDIARY AMMUNITION -- POLLUTION INDIRECT TENSILE STRENGTH TESTS (CONCRETE) 3 FIREBOMBS BT TENSION TESTS
RT SPLITTING TENSILE STRENGTH
TENSILE STRENGTH (CONCRETE) INCENDIARY PROJECTILES 4
BT INCENDIARY AMMUNITION PROJECTILES RT TRACERS (ORDNANCE) INDIRECT TENSILE STRENGTH
TESTS (ROCK) 2
BT ROCK TESTS (LABORATORY)
TENSION TESTS INCINERATION RT--DISPOSAL OXIDATION -- SEWAGE TREATMENT SLUDGE DISPOSAL RT DIAMETRAL COMPRESSION TESTS (ROCK) --TENSILE PROPERTIES TENSILE STRENGTH (ROCK) TENSILE STRESS SMOKE SOLID WASTES --WASTES UNIAXIAL TENSION TESTS INCINERATORS INDUCED INFILTRATION 1
BT ARTIFICIAL RECHARGE
RECHARGE (WATER)
RT GROUNDWATER RECHARGE GARBAGE -- SEWAGE TREATMENT INCLINED LOADS 1
use LOADS (FORCES) 2 3 4 INFILTRATION (WATER) PERCOLATION (WA PERCOLATION --WATER MANAGEMENT --WATER TABLE --WATER WELLS INCLINOMETERS NOTE: Instruments for measuring angles of slopes
P DEFLECTOMETERS INDUSTRIAL BUILDINGS SLOPE INDICATORS BT BUILDINGS RT--COMMERCIAL BUILDINGS

TILTMETERS MEASURING INSTRUMENTS RT--DAM INSTRUMENTATION

INDUSTRIAL WATER (Con.)
--INDUSTRIAL WASTES
PRETREATMENT (WATER)
PUBLIC UTILITIES INDUSTRIAL ENGINEERING 1 2 6 RT AUTOMATION --CIVIL ENGINEERING COST CONTROL RECIRCULATED WATER
WASTE WATER
WATER ALLOCATION
WATER CONSUMPTION COST ENGINEERING MAN MACHINE SYSTEMS MANAGEMENT
MANAGEMENT ENGINEERING
MATERIALS HANDLING
MINING ENGINEERING WATER CONSUMPTION
WATER DEMAND
WATER POLICY
WATER RECLAMATION
--WATER SUPPLY
--WATER TREATMENT QUALITY CONTROL SCHEDULING. -STANDARDS SYSTEMS ENGINEERING MERT GASES 7
NOTE: Gases that do not react
with other substances under VALUE ENGINEERING INERT GASES INDUSTRIAL FABRICS BT FABRICS RT MEMBRANE FABRICATION ordinary conditions GASES INERTIA 2 RT KINETICS INDUSTRIAL MINERALS
BT MINERALS MOMENTS OF INERTIA INDUSTRIAL PLANTS 1 6
RT--ELECTRIC POWER PLANTS
HYDROELECTRIC PLANTS
INDUSTRIAL WATER
LABORATORIES INFILTRATION CAPACITY 1
RT FLOW RATE
INFILTRATION (WATER) INFILTRATION RATE
--PERMEABILITY TESTS NUCLEAR POWER PLANTS TIDAL POWER PLANTS INFILTRATION RATE INDUSTRIAL VEHICLES VDUSTRIAL VEHICLES 5
RT--CARGO VEHICLES
--CONSTRUCTION EQUIPMENT
ELECTRIC VEHICLES
FORK LIFT TRUCKS
--LAND CLEARING VEHICLES
MAINTENANCE VEHICLES
MAINTENANCE VEHICLES RT DARCYS LAW FLOW RATE INFILTRATION (WATER)
INFILTRATION CAPACITY
-PERMEABILITY TESTS -- UNSATURATED FLOW TANK TRUCKS INFILTRATION (SOILS) 2 5
NOTE: Covers movement of soil --TRUCKS -- WHEELED VEHICLES into openings such as pipe INDUSTRIAL WASTE TREATMENT 7
BT WASTE TREATMENT
RT ACTIVATED SLUDGE PROCESS
--SEWAGE TREATMENT openings
UF SOIL INFILTRATION
RT--DRAINAGE -- DRAINS SLUDGE DIGESTION INFILTRATION (WATER)
RT CAPILLARY FLOW
DRAIN TILES 1 2 7 FACTORY AND TRADE WASTE WASTES
MINE WASTES
AGRICULTUS INDUSTRIAL WASTES EARTH SURFACE
GRAVITY FLOW (GROUNDWATER)
-GROUNDWATER MINE WASTES
AGRICULTURAL WASTES
AIR POLLUTION
AIRBORNE WASTES
CHEMICAL WASTES
-EFFLUENTS --GROUNDWATER FLOW GROUNDWATER RECHARGE HYDRAULIC CONDUCTIVITY HYDROGRAPHS EMISSIONS
--EXHAUST GASES
INDUSTRIAL WATER
LIQUID WASTES HYDROLOGIC BUDGET -HYDROLOGY --HYDROLOGY
INDUCED INFILTRATION
INFILTRATION CAPACITY
INFILTRATION RATE
--IRRIGATION
--IRRIGATION WATER
LEACHING (SOILS) --MINING OIL WASTES PHENOLS -POLLUTION --LEAKAGE
NATURAL RECHARGE
PERCOLATION
--PERMEABILITY RADIOACTIVE WASTES -- REFUSE SCRAP SEWAGE SEWAGE DISPOSAL SOIL CONTAMINATION STREAM POLLUTION TAILINGS PERVIOUS SOILS PONDING -POROSITY
RAINFALL-RUNOFF RELATIONSHIPS
RECHARGE WELLS
-RUNOFF
RUNOFF FORECASTING
SALT WATER INTRUSION WASTE WATER WASTE WATER TREATMENT WATER FOLLUTION SOURCES INDUSTRIAL WATER 1 7 NOTE: Water (including all its impurities) used directly or indirectly in an industrial -SEEPAGE CONTROL SEPAUE CONTROL
SIMULATED RAINPALL
--SOIL MOISTURE
SOIL SURFACES
SPREADING BASINS
STORAGE CAPACITY
--UNSATURATED FLOW process
BT WATER
RT--ACIDIC WATER
COOLING WATER
INDUSTRIAL PLANTS

INFILTRATION (WATER) (Con.)
WATER LOSS
WATER SPREADING
--WATER WELLS

INFINITE SERIES 6
BT CALCULUS
REAL VARIABLES
NT FOURIER SERIES

100 M

INFLOW 1
RT-DISCHARGE (WATER)
ESTUARIES
--FLOW
HYDROLOGIC EQUATION
RESERVOIR CAPACITY
RESERVOIR STORAGE
--RESERVOIRS
--RIVERS
STREAMFLOW REGULATION
--STREAMS
WATER BALANCE

WELL YIELD

INFLUENCE CHARTS 2
NOTE: Used in settlement
analysis
RT DEPTH FACTOR (SOILS)
SETTLEMENT ANALYSIS
SOIL PRESSURE
SOIL STRESSES

INFLUENT STREAMS 1 7
NOTE: Streams which contribute
water to zone of saturation
of groundwater and develop
bank storage
BT GROUNDWATER SOURCES
STREAMS
RT BANK STORAGE
EFFLUENT STREAMS

STRESS DISTRIBUTION

BANK STORAGE
EFFLUENT STREAMS
--GROUNDWATER
--GROUNDWATER FLOW
--SEEPAGE
WATER LOSS
--WATER TABLE

INFORMATION 6
NT MATHEMATICAL TABLES
METEOROLOGICAL DATA
--TABLES (DATA)
RT DATA TRANSMISSION
INFORMATION SCIENCES
INFORMATION THEORY

INFORMATION CENTERS 6
RT DOCUMENTATION
INFORMATION RETRIEVAL
INFORMATION SCIENCES
LIBRARIES

INFORMATION RETRIEVAL 5 6
RT--COMPUTER PROGRAMS
--DATA PROCESSING
DATA RETRIEVAL
DOCUMENTATION
INFORMATION CENTERS
INFORMATION SCIENCES
INFORMATION SYSTEMS
--INTELLIGENCE
LIBRARIES
TRANSLATIONS

INFORMATION SCIENCES 6
RT DOCUMENTATION
--INFORMATION
-INFORMATION CENTERS
INFORMATION RETRIEVAL
INFORMATION SYSTEMS
LIBRARIES
MACHINE TRANSLATING
SYSTEMS ANALYSIS

INFORMATION SYSTEMS 1 2 3 4 5 6 7
UF DATA SYSTEMS
RT AUTOMATION
COMPUTER PROGRAMS
--COMPUTER PROGRAMS
--COMPUTER PROGRAMS
--COMPUTER PROGRAMS
--DATA ACQUISITION
DATA ACQUISITION
DATA REDUCTION
DATA REDUCTION
DATA RETRIEVAL
DECISION MAKING
DOCUMENTATION
--DOCUMENTS
INFORMATION RETRIEVAL
INFORMATION THEORY
--INTELLIGENCE
LIBRARIES
MAN MACHINE SYSTEMS
--MANAGEMENT
MILITARY GEOGRAPHIC
INTELLIGENCE
SYSTEMS ANALYSIS
SYSTEMS ENGINEERING
--TELECOMMUNICATIONS

INFORMATION THEORY 6
RT AUTOMATA THEORY
AUTOMATION
COMMUNICATION THEORY
CYBERNETICS
--DATA PROCESSING
DATA TRANSMISSION
--FOURIER ANALYSIS
--INFORMATION
INFORMATION SYSTEMS
--OPERATIONS RESEARCH
PROBABILITY THEORY
RANDOM PROCESSES
--STOCHASTIC PROCESSES
SYSTEMS ENGINEERING
--TELECOMMUNICATION

INFRARED ANALYSIS 3
RT GAS ANALYSIS
GAS CHROMATOGRAPHY
INFRARED DETECTORS
INFRARED TECHNOLOGY

INFRARED DETECTORS 3 5
BT DETECTORS
ELECTROMAGNETIC SENSORS
MEASURING INSTRUMENTS
RT--CHEMICAL ANALYSIS
INFRARED ANALYSIS
INFRARED HEATING
INFRARED HEATING
INFRARED PHOTOGRAPHY
INFRARED RAYS
INFRARED SPECTROSCOPY
INFRARED TECHNOLOGY
--REMOTE SENSING INSTRUMENTS

INFRARED HEATING 3
BT HEATING
RADIANT HEATING
RT--CONCRETE CURING
--CURING
ELECTRIC CURING
INFRARED DETECTORS
INFRARED TECHNOLOGY

INFRARED MAPPING 2 5
BT MAPPING
RT INFRARED DETECTORS
INFRARED PHOTOGRAPHY
INFRARED RAYS
INFRARED TECHNOLOGY
PHOTOGRAPHIC RECONNAISSANCE
REMOTE SENSING
--TERRAIN MAPPING

INPRARED PHOTOGRAPHY 5 6
BT PHOTOGRAPHY
RT AERIAL PHOTOGRAPHY

INFRARED DETECTORS
INFRARED MAPPING
INFRARED TECHNOLOGY
PHOTOGRAMMETRY PHOTOGRAPHIC RECONNAISSANCE REMOTE SENSING INFRARED RADIOMETERS use RADIOMETERS INFRARED RAYS 2 3 5
UF INFRARED SPECTRA
BT ELECTROMAGNETIC RADIATION WAVES INFRARED DETECTORS INFRARED MAPPING INFRARED TECHNOLOGY LASERS MICROWAVES -SENSORS SPECTROPHOTOMETRY INFRARED SPECTRA 2 3 5 INFRARED SPECTROSCOPY 3
BT SPECTROSCOPY
RT--CHEMICAL ANALYSIS
INFRARED DETECTORS
INFRARED TECHNOLOGY
SPECTRO PHOTOMETRY
--SPECTROSCOPIC ANALYSIS
SECTEMBRIA ANALYSIS SPECTRUM ANALYSIS INFRARED TECHNOLOGY 3 RT INFRARED ANALYSIS INFRARED DETECTORS INFRARED HEATING
INFRARED MAPPING
INFRARED PHOTOGRAPHY
INFRARED FAYS
INFRARED SPECTROSCOPY
INFRARED THERMOMETERS INFRARED THERMOMETERS BT THERMOMETERS RT INFRARED TECHNOLOGY INHIBITING AGENTS 2 5 use RETARDANTS INHIBITORS ITORS 3 7
CORROSION INHIBITORS RT--COATINGS COMPETITION -- CORROSION PREVENTION PASSIVITY -- PESTICIDES --RETARDANTS
RETARDANTS (CONCRETE) INITIAL COMPRESSION 2
use INITIAL CONSOLIDATION INITIAL CONSOLIDATION 2
UF INITIAL COMPRESSION
BT CONSOLIDATION (SOILS)
DEPORMATION
SOIL DEPORMATION
RT AIR VOID RATIO
PRIMARY CONSOLIDATION
SECONDARY CONSOLIDATION INITIAL SET (CONCRETE)
use CEMENT SETTING

INITIAL STRESS 3 4 BT STRESSES

INITIAL TANGENT MODULUS

NOTE: Slope of the stressstrain curve at the origin BT MECHANICAL PROPERTIES MODULUS OF DEPORMATION

2 3 4

INFRARED PHOTOGRAPHY (Con.)

INITIAL TANGENT MODULUS (Con.)

MODULUS OF ELASTICITY
TANGENT MODULUS
RT CHORD MODULUS ELASTICITY
SECANT MODULUS
--SHEAR PROPERTIES
--TENSILE PROPERTIES INJECTION GROUTING 1 2 3 use GROUTING INJECTION WELLS 1 2
NOTE: Wells used for injecting fluids into an underground stratum BT WATER WELLS WELLS GROUNDWATER RECHARGE RECHARGE WELLS --WASTE DISPOSAL WASTE WATER DISPOSAL INJECTORS RT--NOZZLES --PUMPS SALT VELOCITY METHOD
(DISCHARGE MEASUREMENT) INJURIES NT BATTLE INJURIES
BURNS (INJURIES)
GUNSHOT WOUNDS
RADIATION INJURIES --WOUNDS RT ACCIDENTS --DAMAGE --HAZARDS TOXICOLOGY INLAND NAVIGATION 1
use INLAND WATERWAYS INLAND WATERWAYS UF INLAND NAVIGATION BT CHANNELS NAVIGABLE WATERS
WATERWAYS (TRANSPORTATION) NAVIGABLE RIVERS CANALIZATION --CANALS HARBORS INTRACOASTAL WATERWAYS --LAKES LOCKS (WATERWAYS)
MARINAS NAVIGATION DAMS --RIVERS INLET FORMATION 1 4
RT--EXPLOSIVE EXCAVATION
--INLETS (WATERWAYS) INLETS (WATERWAYS) 1 4
BT TOPOGRAPHIC FEATURES
WATERWAYS (WATERCOURSES)
NT COASTAL INLETS
TIDAL INLETS
RT BAYS (TOPOGRAPHIC FEATURES)
HABRORS HARBORS INLET FORMATION LAGOONS (LANDFORMS) MARINAS INNOVATION NOVATION 6
RT DESIGN IMPROVEMENTS
ECONOMICS INORGANIC ACIDS 3 BT ACIDS

ASTRUMENTATION 1234567
UF INSTRUMENTS
NOTE: Use of a more specific term is recommended; consult INSTRUMENTATION INORGANIC CLAYS BT CLAYS COHESIVE SOILS FINE GRAINED SOILS BENTONITE the terms listed below ACCELEROMETERS KAOLIN INORGANIC SILTS ACOUSTIC FLOWMETERS ACOUSTIC MEASURING INSTRUMENTS ACTINOMETERS ORGANIC CLAYS INORGANIC SILTS 2
BT FINE GRAÎNED SOILS
SILTS
RT FROST SUSCEPTIBLE SOILS AERONAUTICAL INSTRUMENTS AND EQUIPMENT AMMETERS ANEMOMETERS -- INORGANIC CLAYS ORGANIC SILTS AUTOMATIC CONTROL AUTOMATION BALLISTIC GALVONOMETERS BAROMETERS INSECT CONTROL 7
BT PEST CONTROL
RT--AQUATIC BIOLOGY
ATTRACTANTS BATHYTHERMOGRAPHS BOREHOLE CAMERAS BOREHOLE TV CAMERAS BIOLOGICAL CONTROL CHEMCONTROL CALIBRATING CAMERAS
CAPACITANCE METERS
CATHODE RAY OSCILLOSCOPES
CHRONOMETERS -- INSECTICIDES
--INSECTS PUBLIC HEALTH SANITATION -- SEWAGE TREATMENT COMPUTERS CONTROL EQUIPMENT CURRENT METERS DAM INSTRUMENTATION -- WASTE DISPOSAL -- WATER TREATMENT DEAD LOAD TESTERS DEPTH RECORDERS (WATER) INSECTICIDES NOTE: Materia.
ing insects
BT PESTICIDES Material used for destroy-DETECTORS DIAL GAGES DIAL GAGES
DISSOLVED OXYGEN ANALYZERS
DRIFT BOTTLES
DYNAMOMETERS
ELECTRIC CURRENT METERS
ELECTRIC MEASURING POISONS NT DDT DIELDRIN RT INSECT CONTROL -- INSECTS INSTRUMENTS
ELECTRICAL EQUIPMENT
ELECTRICAL RESISTANCE INSECTS 7
BT INVERTEBRATES
NT CULICIDAE
--DIPTERA METERS ELECTRICALLY POWERED MAYFLIES RT INSECT CONTROL --INSECTICIDES INSTRUMENTS INSTRUMENTS
ELECTRONIC EQUIPMENT
EVAPORATION PANS
EVAPOTRANSPIROMETERS
EXTENSOMETERS LARVAE -- PEST CONTROL THERMOPHILES FLUOROMETERS FLUOROMETERS INSHORE CURRENTS FOIL DOSIMETERS use LITTORAL CURRENTS GAGES GALVANOMETERS GAMMA COUNTERS GEIGER COUNTERS INSOLATION RT--DISPOSAL -- SOLAR RADIATION GEOPHONES GRAVIMETERS INSPECTION 1 2 3 A

NT X RAY INSPECTION
RT ACCEPTABILITY
ACCEPTANCE TESTS HARDNESS TESTERS HOOK GAGES HOOK GAGES
HORIZONTAL MOVEMENT DEVICES
HOT FILM ANEMOMETERS
HOT WIRE ANEMOMETERS
HYDROLOGIC INSTRUMENTS
HYDROMETEOROLOGICAL CALIBRATING
CHEMICAL TESTS
--CONSTRUCTION
--CONSTRUCTION CONTROL STATIONS HYDROMETERS DETECTION --EVALUATION HYDROMETRY FIELD CONTROL
FIELD LABORATORIES
--NONDESTRUCTIVE TESTS
--PERFORMANCE TESTS HYDRO PHONES INCLINOMETERS INTERFEROMETERS IONIZATION CHAMBERS --PERFURMANCE TESTS
--QUALITY CONTROL
SAFETY
SAFETY ENGINEERING
--SAMPLING
SPECIFICATIONS
STANDARDS JACKING TESTS LABORATORY EQUIPMENT LOAD CELLS LYSIMETERS MANUMETERS
MEASUREMENT
MEASURING INSTRUMENTS
METEOROLOGICAL INSTRUMENTS
MOISTURE METERS STANDARDS -STATIC TESTS
-STATISTICAL QUALITY CONTROL
TOLERANCES (MECHANICS)
UNDERWATER TELEVISION MONITORS NEUTRON COUNTERS NUCLEAR EMULSION COUNTERS

INSTRUMENTATION (Con.)
NULL INDICATORS INSTRUMENTS 1234567 USE INSTRUMENTATION OCEANOGRAPHIC INSTRUMENTS OHMMETERS OPTICAL INSTRUMENTS ORIFICE METERS use ELECTRONIC EQUIPMENT INSTRUMENTS (ELECTRONIC) OSCILLOGRAPHS OSCILLOSCOPES INSTRUMENTS (MEASURING) 1 2
use MEASURING INSTRUMENTS 1234567 PERMEAMETERS
PHOTOGRAPHIC EQUIPMENT INSTRUMENTS (OPTICAL) 1 use OPTICAL INSTRUMENTS PHOTOMETERS PIEZOELECTRIC GAGES
PIEZOELECTRIC TRANSDUCERS INSTRUMENTS (RECORDING) 1
use RECORDING INSTRUMENTS PIEZOMETERS PILE LOAD TEST INSTRUMENTA-TION INSULATING BOARDS TION
PITOT SPHERES
PITOT TUBES
PNEUMATIC INSTRUMENTS
POINT GAGES BT INSULATION RT--ABSORPTION ACOUSTIC INSULATION ACOUSTICS POINT GAGES
POTENTIOMETERS
PRECIPITATION GAGES
PRESSURE CELLS
PRESSURE CELLS (ROCK)
PRESSURE CELLS (SOILS)
PRESSURE GAGES
PRESSURE SENSORS
PROCESS CONTROL
PROVING RINGS
RADAR NOISE REDUCTION SOUND TRANSMISSION WALLBOARD INSULATING CONCRETES 3 6
NOTE: Concrete used for insulating
CONCRETES
INSULATION
LIGHTWEIGHT CONCRETES RADAR RADIATION COUNTERS RADIATION MEASURING BAGASSE CELLULAR CONCRETES --FOAMING AGENTS INSULATION --LIGHTWEIGHT AGGREGATES NAILABLE CONCRETE INSTRUMENTS RADIOMETERS RADIOSONDES RAIN GAGES RECORDING INSTRUMENTS
REMOTE CONTROL
REMOTE SENSING INSTRUMENTS INSULATING MATERIALS 3
use INSULATION REPAIRING ROTATING METERS SALINITY METERS INSULATION NSULATION 3 6
UF INSULATING MATERIALS
NT ACOUSTIC INSULATION
ELECTRICAL INSULATION
INSULATING BOARDS
INSULATING CONCRETES
THERMAL INSULATION
RT--ABSORPTION
CELLULAR CONCRETES
--CELLULAR MATERIALS
--DAMPING
GLASS FIBERS SALT VELOCITY METHOD (DISCHARGE MEASUREMENT) SCINTILLATION COUNTERS SEISMOMETERS SEISMOSCOPES SENSORS SERVOMECHANISMS SOIL STRENGTH TEST INSTRUMENTS SPECTROMETERS GLASS FIBERS HEAT RESISTANT MATERIALS STAFF GAGES STANDARDS STEREOSCOPES
STRAIN GAGES
STRAIN MEASUREMENT
STRAIN MEASURING INSTRUMENTS INSULATING CONCRETES PERLITE ROCK WOOL VERMICULITE STREAM GAGES STRESS GAGES (SOILS) WALLBOARD SURVEYING INSTRUMENTS TELEMETRY INSURANCE NSURANCE 1 6 NT FLOODPLAIN INSURANCE TELEMETRY SYSTEMS INTAKE CHANNELS 1 TELEVISION NTAKE CHANNELS
BT CHANNELS
RT APPROACH CHANNELS
ENTRANCE CHANNELS
--INTAKE STRUCTURES
INTAKE TRANSITIONS TENSIOMETERS TEST EQUIPMENT THEODOLITES THERMOMETERS TIRE INSTRUMENTATION TRAFFICABILITY TEST INSTRUMENTS -- INTAKES TRAINING WALLS TRANSDUCERS INTAKE GAGES 1
BT HYDRAULIC GATES
RT COASTER GATES
FIXED WHEEL GATES TURBIDIMETERS TUNBIDIMETERS
VEHICLE TEST INSTRUMENTS
VELOCITY GAGES (MECHANICAL)
VELOCITY METERS (PLUIDS)
VENTURI METERS
VERTICAL MOVEMENT DEVICES
VOLIMETERS
WATER MEASUREMENT GATE HOISTS HYDROELECTRIC PLANTS -INTAKE STRUCTURES INTAKE TOWERS WATER MEASUREMENT WATER STAGE RECORDERS -INTAKES -- OUTLET WORKS WATTMETERS WEIR GAGES WES PRESSURE CELLS WHEATSTONE BRIDGES INTAKE STRUCTURES UF CONDUIT HEADWORKS NT INTAKE TOWERS

INTAKE STRUCTURES (Con.) INTEGRAL TRANSFORMATIONS (Con.) RT AQUEDUCTS TRANSFORMATIONS (MATHEMATICS) BESSEL TRANSFORMATION FOURIER TRANSFORMATION LAPLACE TRANSFORMATION INTEGRAL CALCULUS CONTROL STRUCTURES
--DEBRIS BARRIERS DUCTS FOREBAYS INTEGRALS HEADWALLS LINEAR TRANSFORMATIONS OPERATIONAL CALCULUS HEADWORKS
--HYDRAULIC ENGINEERING HYDROELECTRIC PLANTS INTAKE CHANNELS INTAKE GATES INTAKE TRANSITIONS RT INTEGRAL CALCULUS
INTEGRAL EQUATIONS
INTEGRAL TRANSFORMATIONS INTAKES MANIFOLDS INTEGRAL CIRCUITS --OUTLET WORKS PENSTOCKS PUMP INTAKES --RESERVOIRS INTEGRATED DATA PROCESSING SLUTCES use DATA PROCESSING TRASHRACKS INTELLIGENCE NTELLIGENCE 5
NOTE: Knowledge obtained from the collection, evaluation, analysis, integration and interpretation of information T ENGINEERING INTELLIGENCE MILITARY GEOGRAPHIC INTELLIGENCE
ET DATA ACQUISITION INTAKE TOWERS 1
BT INTAKE STRUCTURES
RT--DEBRIS BARRIERS HYDROELECTRIC PLANTS INTAKE GATES -INTAKES MULTILEVEL OUTLETS DATA ACQUISITION DATA RETRIEVAL PENSTOCKS TRASHRACKS DATA RETRIEVAL

-ENVIRONMENTAL ANALYSIS
INFORMATION RETRIEVAL
INFORMATION SYSTEMS

-MILITARY OPERATIONS
REMOTE SENSING
SEISMIC INVESTIGATIONS
TERRAIN ANALYSIS
VEHICLE SIGNATURE INTAKE TRANSITIONS BT TRANSITIONS RT APPROACH CHANNELS --DEBRIS BARRIERS ENTRANCE CHANNELS INTAKE CHANNELS INTAKE STRUCTURES -- INTAKES TERACTION 5 7
NOTE: Use of a more specific term is recommended; consult --OUTLETS INTERACTION TRAINING WALLS the terms listed below and under RELATIONS INTAKES UF WATER INTAKES
NT PUMP INTAKES
RT BELLMOUTHS ECOSYSTEMS INTERFACES INTERPACES
OBSTACLE-WHEEL INTERACTION
SOIL-TRACK INTERACTION
SOIL-WHEIL INTERACTION
TERRAIN-WHELL INTERACTION
TERRAIN-WEHICLE INTERACTION
TIRE-PAVEMENT INTERACTION -- CONDUITS DUCTS FISHWAYS FOREBAYS HEADWALLS HEADWALLS
HEADWORKS
INTAKE CHANNELS
INTAKE GATES
-INTAKE STRUCTURES
INTAKE TOWERS
INTAKE TRANSITIONS
-OUTLET WORKS INTERBASIN WATER TRANSFERS RT--CONDUITS DIVERSION DIVERSION STRUCTURES DIVERSION TUNNELS --DIVERSION WORKS
RIVER BASINS
WATER RESOURCES DEVELOPMENT
--WATER TUNNELS -- OUTLETS SLUICES STORM SEWERS TRASHRACKS INTEGRAL CALCULUS INTERCEPTING DRAINS BET CALCULUS OF VARIATION DIFFERENTIAL CALCULUS INTEGRAL EQUATIONS INTEGRAL TRANSFORMATIONS NOTE: Drains constructed at the upper end of an area to be drained to intercept surface or groundwater flowing toward the protected area from higher ground UF CUIT INTEGRALS NUMERICAL INTEGRATION OPERATIONAL CALCULUS UF CURTAIN DRAINS BT DRAINAGE STRUCTURES REAL VARIABLES DRAINS INTREGAL EQUATIONS 1 2 6
BT FUNCTIONAL ANALYSIS
RT CALCULUS OF VARIATIONS
--DIFFERENTIAL EQUATIONS INTERCEPTOR SEWERS
use SEWERS INTERCHANGES NTERCHANGES 3 RT--HIGHWAYS OVERPASSES --FUNCTIONS (MATHEMATICS) INTEGRAL CALCULUS

--RAMPS --ROADS UNDERPASSES

INTEGRALS NUMERICAL INTEGRATION

INTEGRAL TRANSFORMATIONS 6
BT FUNCTIONAL ANALYSIS
FUNCTIONS (MATHEMATICS)

NTERFACES 1 5 7
NOTE: Surface forming a common boundary of two bodies or spaces
NT AIR-EARTH INTERFACES
AIR-WATER INTERFACES
EXAMPLE AMPLE INTERPACES INTERTIDAL ZONE 1 7
NOTE: Area of a shore between the levels of high and low INTERFACES tides RT AQUATIC HABITATS --BEACHES --EARTH-WATER INTERFACES ICE-WATER INTERFACES LAND-WATER INTERFACE LIQUID-GAS INTERFACES ESTUARIES MUD FLATS MUD-WATER INTERFACES NERITIC ZONE LIQUID-VAPOR INTERFACES MUD-WATER INTERFACES OIL-WATER INTERFACES SALT WATER-FRESHWATER -SHORES TERRESTRIAL HABITATS TIDAL EFFECTS INTERFACES
SEDIMENT-WATER INTERFACES
RT-BOUNDARIES (SURFACES) INTRACOASTAL WATERWAYS 1 BT WATERWAYS (TRANSPORTATION) RT--INLAND WATERWAYS -- FLOW MICROENVIRONMENT SALT WATER INTRUSION INTRINSIC FORCES SORPTION RT CLAY STRUCTURE --COHESION INTERFEROMETERS 3 6
BT MEASURING INSTRUMENTS
RT OPTICAL INSTRUMENTS COULOMB INTERACTIONS
--SHEAR STRENGTH THIXOTROPY INTERGRANULAR FRICTION 2 3 4 use INTERNAL FRICTION INTRUSIONS (GEOLOGY) 2
NT BATHOLITH DIKES (GEOLOGY) LACCOLITH INTERGRANULAR PRESSURE use EFFECTIVE STRESS SILLS (GEOLOGY) IGNEOUS ROCKS INTERGRANULAR STRESS --INTRUSIVE ROCKS MAGMA use EFFECTIVE STRESS SALT DOMES INTERLOCKING H-BLOCKS 1
NOTE: Precast concrete armor INTRUSIVE ROCKS 2
UF PLUTONIC IGNEOUS ROCKS
BT IGNEOUS ROCKS units BT ARMOR UNITS ROCKS INTERMITTENT STREAMS 1 NT DIORITE BT STREAMS RT ARROYOS GABBRO GRANITE IGNEOUS BRECCIA EPHEMERAL STREAMS SNOWMELT --SPRINGS (WATER) PEGMATITE SYENITE TONALITE
RT--INTRUSIONS (GEOLOGY) INTERNAL CURRENTS BT WATER CURRENTS INTUMESCENT MASTIC INTERNAL FRICTION BT FIRE RESISTANT COATINGS RT--COATINGS FIRE RESISTANCE UF ANGLE OF INTERNAL FRICTION ANGLE OF SHEARING RESISTANCE COEFFICIENT OF INTERNAL FRICTION INVENTIONS INTERGRANULAR FRICTION RT PATENTS BT FRICTION
SHEAR STRENGTH
RT ANGLE OF REPOSE
--COHESION INVERSIONS (TEMPERATURE) use TEMPERATURE INVERSIONS COHESIONLESS SOILS COULOMB EQUATION INVERTEBRATES NVERTEBRATES 7 NOTE: Animals which lack a --DAMPING DAMPING CAPACITY spinal column NT CLAMS COPEPODS -DENSITY (MASS VOLUME) EXTERNAL FRICTION FRICTION COEFFICIENT HYSTERESIS CORAL -- CRUSTACEA CULICIDAE MOHR-COULOMB THEORY
PLASTIC DEFORMATION
--RHEOLOGICAL PROPERTIES DAPHNIA DINOFLAGELLATES --SHEAR TESTS --SOIL PROPERTIES -- INSECTS MAYFLIES VISCOSITY --MOLLUSCA NEMATODES INTERNAL WAVES OYSTERS BT WAVES RT GRAVITY WAVES --WATER WAVES --PROTOZOA ROTIFERS --SHELLFISH SHRIMPS INTERPOLATION SNAILS BT NUMERICAL ANALYSIS RT FINITE DIFFERENCE METHOD RT--AQUATIC ANIMALS --FISHES --VERTEBRATES INTERSTATE HIGHWAY SYSTEM 3

A SA

RT--HIGHWAYS

WILDLIFE

IRON (Con.)
--IRON ORES
IRON OXIDES
IRONSTONE INVERTED FILTERS 1 use FILTER BLANKETS INVISCID FLOW 1
BT FLUID FLOW
RT--GAS FLOW
LAMINAR FLOW
PRANDTL NUMBER MAGNETITE -- METALLURGY MOLYBDENUM PYRITE REYNOLDS NUMBER TURBULENT FLOW --STEELS TACONITE VISCOUS FLOW IRON BACTERIA INWARD-FLOW TURBINES 1 BT HYDRAULIC TURBINES RT--REACTION TURBINES BT BACTERIA RT IRON OXIDATION IRON INORGANIC COMPOUNDS
NT CALCIUM FERRITES
IRON OXIDES
RT--FERRITES ION ADSORPTION 2
BT ADSORPTION
RT ADSORBED WATER
DOUBLE LAYER THEORY
FILMS (MOISTURE)
--ION EXCHANGE IRON ORES 2 3
BT METALLIC MINERALS
NT HEMATITE IONS ION EXCHANGE 1 2 7
NOTE: Reversible process by
which lons are interchanged
between a solid and a liquid
with no substantial structural
changes of the solid
BT SEPARATION
NT BASE EXCHANGE
RT CHEMICAL REMOVAL
(WATER TREATMENT)
--COLLOIDAL PROPERTIES
DEIONIZATION
DEMINERALIZATION
DEMINERALIZATION
DESALTING PROCESSES
--DIFFUSION LIMONITE MAGNETITE PYRITE TACONITE RT IRON IRONSTONE IRON OXIDES 2 3 6
BT IRON INORGANIC COMPOUNDS
OXIDES PIGMENTS RT HEMATITE IRON LATERITES --DIFFUSION
DOUBLE LAYER THEORY
FILMS (MOISTURE)
HYDROLYSIS MAGNETITE NOITAGIKO 2 3 IRONSTONE NOTE: Any iron-bearing rock RT IRON ION ADSORPTION RT IRON --IRON ORES IONS TERTIARY TREATMENT
WATER PURIFICATION
WATER SOFTENING
--WATER TREATMENT IRRADIATED IMPREGNATED POLYMER use POLYMER IMPREGNATED CONCRETE IRRADIATION 3 5 7
NOTE: Exposure of an object to radiation such as sunlight, ionizing radiation, etc.
UF RADIATION EXPOSURE
RT--ELECTROMAGNETIC RADIATION ELECTRON PROBES
--EXPOSURE GAMMA RAYS
--NIMICLEAR EQUIPMENT IONIZATION CHAMBERS 7
NOTE: Devices roughly similar to
a Geiger counter that reveal
the presence of ionizing radiation
BT MEASURING INSTRUMENTS
RADIATION MEASURING
INSTRUMENTS
RT GEIGER COUNTERS
--RADIATION COUNTERS --NUCLEAR EQUIPMENT --RADIATION RADIATION DOSAGE IONS 2 3 4
RT ATOMS
BASE EXCHANGE
--CHEMICAL REACTIONS
DOUBLE LAYER THEORY
ELECTROCHEMICAL INJECTION
ELECTROCHEMISTRY
-ELECTRODES -- RADIATION EFFECTS RADIATION TOLERANCE RADIOBIOLOGY --RADIOGRAPHY X RAYS IRRIGABLE LAND NOTE: Extent of arable land sufficiently low for STABILIZATION ELECTROLYSIS irrigation BT ARABLE LAND LAND ELECTROLYTES ELECTRONS ION ADSORPTION
--ION EXCHANGE IRRIGATED LAND 1 BT LAND RT--IRRIGATION NEUTRONS IRON IRRIGATION 1 3 7
NT FLOOD IRRIGATION
MIST IRRIGATION
SPRINKLER IRRIGATION
SUBSURFACE IRRIGATION
--SURFACE IRRIGATION BT METALS
RT ALLOYS
CAST IRON PIPES
--FERRITES

IRON BACTERIA

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IRRIGATION (Con.)
RT AGRICULTURE
--ARABLE LAND
DEMAND (IRRIGATION SYSTEMS)
--DITCHES
                                                                                                           IRRIGATION ENGINEERING
                                                                                                               BT CIVIL ENGINEERING
RT AGRICULTURAL ENGINEERING
                                                                                                                       CHANNELING
                                                                                                                   CHANNELING
-CONDUITS
DEMAND (IRRIGATION SYSTEMS)
-DITCHES
DRAINAGE ENGINEERING
-FLUMES (WATER CONVEYANCE
STRUCTURES)
-IRRIGATION
-IRRIGATION CANALS
IRRIGATION DESIGN
IRRIGATION STRUCTURES
              DRAIN TILES
           -- DRAINAGE
          --DRAINS
EQUALIZING RESERVOIRS
          EQUALIZING RESERVOIRS
-EVAPORATION
FARM PONDS
INFILTRATION (WATER)
IRRIGATED LAND
-IRRIGATION CANALS
IRRIGATION DESIGN
IRRIGATION DITCHES
IRRIGATION ENGINEERING
IRRIGATION ENGINEERING
IRRIGATION ENGINEERING
                                                                                                                      IRRIGATION STRUCTURES
-IRRIGATION SYSTEMS
                                                                                                                   --PIPES
                                                                                                                   -- PUMFS
          IRRIGATION PIPES
--IRRIGATION STRUCTURES
--IRRIGATION SYSTEMS
                                                                                                                       SIPHONS
                                                                                                                       TURNOUTS
                                                                                                                   --VENTURI FLUMES
--WATER MANAGEMENT
--WATER RESOURCES MANAGEMENT
              IRRIGATION WATER
              -LAKES
LAND RECLAMATION
MULTIPURPOSE RESERVOIRS
                                                                                                           IRRIGATION FLUMES 1
use FLUMES (WATER CONVEYANCE
STRUCTURES)
             -PIPES
          PLASTIC PIPES
--RECLAMATION
RESERVOIR OPERATION
RIVER BASIN DEVELOPMENT
                                                                                                           IRRIGATION PIPES 1 3
BT PIPES
RT CAST-IN-PLACE PIPES
--CONCRETE PIPES
          --SEEPAGE
--SURFACE WATERS
              WASTE WATER
WATER DISTRIBUTION
                                                                                                                    DRAIN TILES -- IRRIGATION
          --WATER MANAGEMENT
                                                                                                                   -- IRRIGATION STRUCTURES
              WATER PIPELINES
              WATER QUALITY
                                                                                                           IRRIGATION STRUCTURES
RT--IRRIGATION
--IRRIGATION CANALS
IRRIGATION DITCHES
             -WATER RESOURCES MANAGEMENT
              WATER RIGHTS
              WATER SUPPLY
                                                                                                                  IRRIGATION ENGINEERING
IRRIGATION PIPES
--IRRIGATION SYSTEMS
  IRRIGATION CANALS
                                      1 2 3
             CANALS
CONDUITS
      BT
              WATERWAYS (WATERCOURSES)
                                                                                                          IRRIGATION SYSTEMS 1
BT DISTRIBUTION SYSTEMS
             LATERALS
             AGRICULTURAL ENGINEERING AQUEDUCTS
                                                                                                                     (WATER)
BURIED IRRIGATION SYSTEMS
             ARID REGIONS
DITCHES
                                                                                                                    MIST IRRIGATION SYSTEMS
MIST IRRIGATION
SPRINKLER IRRIGATION
SUBSURFACE IRRIGATION
-SURFACE IRRIGATION
DEMAND (IRRIGATION SYSTEMS)
DIVERSION DAMS
         DIVERSION CANALS
DRAINAGE CANALS
--HYDRAULIC ENGINEERING
          -- IRRIGATION
              IRRIGATION DESIGN
                                                                                                                     DRAINAGE SYSTEMS
FLEXIBLE PIPES
             IRRIGATION ENGINEERING
IRRIGATION STRUCTURES
LINED CANALS
                                                                                                                  --IRRIGATION
IRRIGATION DESIGN
         -- PUMPS
REGIME THEORY
                                                                                                                     IRRIGATION DITCHES
IRRIGATION ENGINEERING
             SEMIARID REGIONS
                                                                                                                     IRRIGATION STRUCTURES
             SIPHONS
                                                                                                                     LATERALS
         --SURFACE IRRIGATION
TURNOUTS
                                                                                                                     WATER CONTROL
WATER DISTRIBUTION
            UNLINED CANALS
                                                                                                         IRRIGATION WASTE WATER
 IRRIGATION DESIGN 1
BT DESIGN
                                                                                                            use RETURN FLOW
    BT DESIGN
RT CANAL DESIGN
                                                                                                         IRRIGATION WATER
        DIVERSION STRUCTURES
--IRRIGATION
                                                                                                            BT WATER
NT RETURN FLOW
RT--ARTIFICIAL RECHARGE
        -- IRRIGATION CANALS
            IRRIGATION DITCHES
                                                                                                                   CONSUMPTIVE USE
DEMAND IRRIGATION SYSTEMS
INFILTRATION (WATER)
IRRIGATION
       IRRIGATION ENGINEERING
--IRRIGATION SYSTEMS
       OPEN CHANNEL FLOW -- PIPELINES
                                                                                                                   PERCOLATION
RESERVOIR OPERATION
RETENTION DAMS
SURFACE GROUNDWATER
        --PUMPS
IRRIGATION DITCHES
  BT DITCHES
RT DRAINAGE SYSTEMS
                                                                                                                   RELATIONSHIPS
WATER CONSUMPTION
WATER LOSS
WATER POLICY
       FURROW SYSTEMS
--IRRIGATION
IRRIGATION DESIGN
                                                                                                                   WATER RECLAMATION
       IRRIGATION STRUCTURES
--IRRIGATION SYSTEMS
                                                                                                       IRROTATIONAL FLOW USE POTENTIAL FLOW
          TURNOUTS
          WATER DISTRIBUTION
```

IRROTATIONAL WAVES 2 3 4
use COMPRESSION WAVES

ISLAND ARCS 1 2 use ISLANDS (LANDFORMS)

ISLANDS (LANDFORMS) 1 2
UF ISLAND ARCS
BT TOPOGRAPHIC FEATURES
NT ATOLLS
BIOHERMS
--CORAL REEFS AND ISLANDS
RT--BEACHES
LAGOONS (LANDFORMS)
PENINSULAS

ISOBARS (PRESSURE) 2
NOTE: Lines joining places
which have the same atmospheric
pressure
RT ATMOSPHERIC PRESSURE
PRESSURE GRADIENTS

ISOCYANATE RESINS 2 3
use POLYURETHANE RESINS

ISOLATION JOINTS 3
BT JOINTS (JUNCTIONS)
RT CONSTRUCTION JOINTS
CONTROL JOINTS

ISOPACH MAPS 2
NOTE: Maps indicating the varying thickness of a designated
stratigraphic unit
BT MAPS
RT--GEOLOGIC MAPS
--STRATIFICATION
STRATIGRAPHY

ISOSTASY 2
NOTE: Hypothesis that different masses of the earth's crust stand in gravitational equilibrium with each other at some depth within the earth RT EARTH CRUST --GEODYNAMICS --GEOMORPHOLOGY GEOPHYSICS GLACIOLOGY GRAVITY SEA LEVEL CHANGES SEISMOLOGY

ISOTHERMAL FLOW 1
use COMPRESSIBLE FLOW

ISOTHERMS 3
use THERMAL GRADIENTS

ISOTOPES 1 2 4 7
NOTE: Chemical elements having the same atomic number, but different atomic weights
NT CARBON-14
DEUTERIUM
PLUTONIUM
--RADIOACTIVE ISOTOPES
RT ATOMS
NEUTRONS
--NONMETALS
PROTONS

ISOTROPIC ROCKS 2
BT ROCKS
RT ISOTROPY
--ROCK PROPERTIES

ISOTROPIC COMPRESSION TESTS 2
use HYDROSTATIC COMPRESSION TESTS

ISOTROPIC SOILS 2
RT ANISOTROPIC SOILS
ISOTROPY
--SOIL PROPERTIES

ISOTROPY 2 3
NOTE: Condition of having the same properties in all directions
RT ANISOTROPY
CRYSTALLOGRAPHY
CRYSTALLS
--ISOTROPIC ROCKS
--ISOTROPIC SOILS
--MECHANICAL PROPERTIES
--ROCK PROPERTIES
STRENGTH OF MATERIALS
TEXTURE

JACK TESTS 1 2 use JACKING TESTS JET BLAST EFFECTS ON PAVEMENTS 2 3 5 use EXHAUST BLAST EFFECTS JACKED PILES 2
NOTE: Steel or concrete
piles jacked into the soil
BT DISFLACEMENT PILES
PILES JET BLAST RESISTANT MATERIALS
RT BLAST RESISTANT SURFACES
EXHAUST BLAST
EXHAUST BLAST EFFECTS RT HYDRAULIC JACKS JACKING (PILES) UNDERPINNING HEAT RESISTANT MATERIALS JET FUEL RESISTANT MATERIALS TEMPERATURE EFFECTS JACKING 1 2 3 BT JACKING (PILES) RT--FOUNDATIONS HOISTS JET BOMBERS 2 4 5 use BOMBER AIRCRAFT JET DIFFUSION RT AERODYNAMICS CHUTE BLOCKS -- JACKS LATERAL YIELD LIFT SLAB CONSTRUCTION PIPELAYING DENTATED SILLS
-DIFFUSERS
ENERGY DISSIPATORS (HYDRAULIC SHORING SLIP FORM CONSTRUCTION TUNNEL CONSTRUCTION UNDERPINNING STRUCTURES)
--FLUID FLOW
--HYDRAULIC GATES
--HYDRAULIC VALVES JACKING (PILES) 2 BT JACKING PILE DRIVING RT JACKED PILES JET FLOW
JETS (FLUIDS)
MIXING
--NOZZLES --JACKS SPRAYING STILLING BASINS JACKING TESTS 1 2

UF JACK TESTS
BT FIELD TESTS
NT RADIAL JACKING TESTS
RT BOLT TESTS
--CRACKING (FRACTURING)
FLAT JACKS
HYDRAULIC JACKS
--MODULUS OF DEFORMATION
--ROCK DEFORMATION
--ROCK STRENGTH
STRESS-STRAIN RELATIONS
(ROCK) SUBMERGED FLOW -- VORTICES JET ENGINE FUELS use JET FUELS JET EXHAUST BLAST 2 3 5 use EXHAUST BLAST JET FIGHTERS 2 4 5 use FIGHTER AIRCRAFT JET FLOW 1 RT JET DIFFUSION JACKS 1 2
NT FLAT JACKS
FOUNDATION JACKS
HYDRAULIC JACKS
MECHANICAL JACKS ET FUEL RESISTANT MATERIALS 2 3 5 RT--FUEL SPILLAGE (PAVEMENTS) JET BLAST RESISTANT MATERIALS JET FUEL SPILLAGE (PAVEMENTS) RUBBERIZED TAR JET FUEL RESISTANT MATERIALS RT--JACKING JACKING (PILES) JET FUEL SPILLAGE (PAVEMENTS) 2 3 5 BT FUEL SPILLAGE (PAVEMENTS) RT AVIATION FUELS FLEXIBLE PAVEMENT FAILURES NEEDLE BEAMS PRESTRESSING SHORING UNDERPINNING (AIRFIELDS)
JET AIRCRAFT
JET FUEL RESISTANT MATERIALS
JET FUELS BT LIGHT UTILITY VEHICLES
WHEELED VEHICLES
RT--MILITARY VEHICLES RUBBERIZED-TAR PAVEMENTS RUNWAY DAMAGE JET AIRCRAFT 2 4 5 6
BT AIRCRAFT
RT BOMBER AIRCRAFT
FIGHTER AIRCRAFT JET FUELS 3
UF JET ENGINE FUELS
BT FUELS
RT AVIATION FUELS
GASOLINE
JET FUEL SPILLAGE (PAVEMENTS) FIGHTER AIRCRAFT
HELICOPTERS
HYPERSONIC AIRCRAFT
JET FUEL SPILLAGE
(PAVEMENTS)
JET PROPULSION
--MILITARY AIRCRAFT
PATROL AIRCRAFT
HESEARCH AIRCRAFT
SHORT TAKEOFF AND LANDING
AIRCRAFT JET PIERCING METHOD use CUTTING JET PROPULSION RT JET AIRCRAFT SHORT TAKEOFF AND LAI
AIRCRAFT
SUPERSONIC AIRCRAFT
TRAINING AIRCRAFT
--TRANSPORT AIRCRAFT
VERTICAL TAKEOFF AND
LANDING AIRCRAFT ET PUMPS 1 2 3
BT PUMFS
RT EJECTORS
JETS (FLUIDS)
VACUUM PUMPS JET PUMPS JET BLAST 2 3 5 use EXHAUST BLAST "JET-SET" CEMENTS

use REGULATED-SET CEMENTS

JET TRAINING AIRCRAFT use TRAINING AIRCRAFT JET TRANSPORT AIRCRAFT 2 4
use TRANSPORT AIRCRAFT JETS (FLUIDS) RT AERODYNAMICS --FLOW --FLUID FLOW HIGH VELOCITY
HYDRAULIC MINING
HYDROSTATIC PRESSURE
-IMPULSE TURBINES
JET DIFFUSION
JET PUMPS -- NOZZLES --ORIFICES PRESSURE HEAD ROTATIONAL FLOW SUPERCRITICAL FLOW VENA CONTRACTA WAKES JETTED PILES BT PILES RT JETTING JETTIES 1 2 3

NOTE: Structures extended into a sea, lake, or river to influence the current or tide or to protect a harbor BT HARBOR STRUCTURES MARINE STRUCTURES ABNK PROTECTION --COASTAL STRUCTURES CONTROL STRUCTURES --DOCKS --DOCKS GROINS GHOINS
HARBOR ENGINEERING
HARBOR STRUCTURES
HARBORS
FIERS (DOCKS)
SEA WALLS
SHORE PROTECTION
WATER WAVE ACTION ON
MARITIME STRUCTURES JETTING 2
NOTE: Displacing the subsoil
with water under pressure
RT HYDRAULIC EXCAVATION
JETTED PILES --PENETRATION
--PILE DRIVING
VIBROFLOTATION
WASH BORING

WELLPOINTS

JOINT FILLERS 2 3 4 5

NOTE: Strips of compressible material used to seal joints
BT FILLERS SEALERS
NT ASPHALT JOINT FILLERS
RT CAULKING CONTRUCTION JOINTS
- JOINT SEALERS
- JOINTS (JUNCTIONS)
MASTICS

JOINT SEALERS 2 3 4 5
BT SEALERS
NT WATERSTOPS
RT--ASPHALTS
CAULKING
FLOW TESTS (BITUMINOUS MATERIALS)
GASKETS
- JOINTS (JUNCTIONS)
MASTICS

JOINT FILLERS
- JOINTS (JUNCTIONS)
MASTICS
- PAVEMENTS

JOINTED ROCK 2
RT JOINTS AND JOINTING
(GEOLOGY)
ROCK MASSES
ROCK MECHANICS

JOINTS AND JOINTING (GEOLOGY) 2
NOTE: Fractures or partings
which interrupt abruptly the physical continuity of a rock mass
BT GEOLOGIC STRUCTURES
RT--DIASTROPHISM
DILATANCY (ROCK)
DISCONTINUITIES (STRUCTURAL GEOLOGY)
FAULTS AND FAULTING (GEOLOGY)
FISSURES
FOLIATION (GEOLOGY)
FRACTURES AND FRACTURING
(GEOLOGY)
JOINTED ROCK
TECTONICS

THRUSTS AND THRUSTING (GEOLOGY) JOINTS (JUNCTIONS) 2 3 LAUF JUNCTURES (PAVEMENTS)

NT ADHESIVE JOINTS
CONSTRUCTION JOINTS
CONTROL JOINTS
HORIZONTAL JOINTS
ISOLATION JOINTS
LONGITUDINAL JOINTS
PIPE JOINTS
SAWED JOINTS
TRANSVERSE JOINTS
RT ADHESIVES
CAULKING 4 5 6 JONVAL TURBINES 1
use AXIAL FLOW TURBINES JOOSTEN PROCESS BT CHEMICAL GROUTING
GROUTING
TO CALCIUM CHLORIDES
--CALCIUM SILICATES
--CHEMICAL GROUTS
--CHEMICAL GROUTS
--CHEMICAL SOIL STABILIZATION SODIUM SILICATES CAULKING --CLOSURES JUNCTIONS RT--BIFURCATIONS --CONNECTIONS
--CONSTRUCTION BOUNDARIES (SURFACES)
--OPEN CHANNELS
--PIPES
TRIBUTARIES DOWELS --FASTENERS --JOINT FILLERS
--JOINT SEALERS TRIFURCATIONS LINKAGES
PLASTIC ADHESIVES
SEALING COMPOUNDS
SPLICES JUNCTURES (PAVEMENTS) 2 5 use JOINTS (JUNCTIONS) JUNGLE TRAILS 5 RT OFF-ROAD MOBILITY RAIN FORESTS -STRUCTURAL MEMBERS
TUNNEL CLOSURES
WATERSTOPS
WELDED CONNECTIONS --WELDING TROPICAL REGIONS JOISTS 3 4
UF PURLINS
STRINGERS
BT BEAMS (SUPPORTS)
STRUCTURAL MEMBERS
RT--CONCRETE BEAMS
--GIRDERS
--GIRDERS JUNGLES 6 RT TROPICAL REGIONS JURASSIC PERIOD 2 BT MESOZOIC ERA T-BEAMS

AMES 2 NOTE: Ridges of gravelly material derived from the KILNS (Con.)
--CURING KAMES FURNACES ice along the margins of a FORMACES
FORTLAND CEMENT KILN
REACTIONS
--REFRACTORIES
TRAVELING GRATES glacier BT GLACIAL FEATURES RT DRUMLINS ESKERS GLACIAL TILL KINEMATICS 1 2 4
NOTE: Branch of mechanics
dealing with motions without
reference to their cause
BT DYNAMICS
RT ACCELERATION
--DISPLACEMENT MORAINES KAOLIN 2 3 BT CLAY MINERALS CLAYS COHESIVE SOILS FINE GRAINED SOILS INORGANIC CLAYS KINETICS RT--BRICKS --CEMENTS KINETIC ENERGY 1 2 4 --CERAMIC MATERIALS --FILLERS BT ENERGY MECHANICAL ENERGY KAOLINITE --REFRACTORIES RT HYDRODYNAMICS KINETICS POTENTIAL ENERGY -- SILICATE MINERALS KINETIC THEORY 1
RT KINETICS
KNUDSEN FLOW KAOLINITE 2 3 BT CLAY MINERALS MINERALS SILICATE MINERALS KINETICS 1 2 4 7
NOTE: Study of the relationship
between forces and the
resulting motion of bodies
on which they act
BT DYNAMICS FELDSPARS HALLOYSITE KAOLIN MONTMORILLONITE BT DYNAMICS
RT--DISPLACEMENT
--FLOW
--FLUID DYNAMICS
--FLUID MECHANICS KAPLAN TURBINES 1 NOTE: Type of propeller turbine
BT HYDRAULIC TURBINES REACTION TURBINES --FRICTION
--GAS DYNAMICS TURBINES RT--AXIAL FLOW TURBINES DRAFT TUBES LOW HEAD INERTIA KINEMATICS KINETIC ENERGY KINETIC THEORY -- MECHANICAL PROPERTIES RST 1 2 RT--CALCAREOUS ROCKS KNEADING COMPACTION 2 5
BT COMPACTION (BITUMINOUS MIXTURES)
COMPACTION (SOILS) CAVES CAVITIES (UNDERGROUND) CENOTES --LAKES --LIMESTONES DENSIFICATION (SOILS)
RT--COHESIVE SOILS SINKHOLES --COMPACTION EQUIPMENT GYRATORY TESTING MACHINES KNEADING COMPACTION TESTS --RUBBER TIRED ROLLERS SOLUTION PHENOMENA (GEOLOGY) UNDERGROUND STREAMS KELLY BALL TESTS 3
use BALL PENETRATION TESTS SEGMENTED WHEEL ROLLERS
--SHEEPSFOOT ROLLERS KELVIN FUNCTIONS 1 2 6
RT--DIFFERENTIAL EQUATIONS
--ELECTRICAL PROPERTIES
HEAT TRANSMISSION WORKABILITY (SOILS) KNEADING COMPACTION TESTS 2 5
BT COMPACTION TESTS SOIL TESTS (LABORATORY)
RT GYRATORY COMPACTION TESTS KNEADING COMPACTION ICE MECHANICS KELVIN MODEL BT MODELS KNUDSEN FLOW 1 UF KNUDSEN NUMBER BT FLUID FLOW RHEOLOGICAL MODELS BURGERS MODEL TIME SETTLEMENT RELATIONSHIP GAS FLOW BOUNDARY LAYER TRANSITION KINETIC THEORY --MOLECULAR FLOW TRANSITION POINTS KETONES 3 RT ORGANIC COMPOUNDS KEYS AND KEYWAYS (CONCRETE)
RT--CONCRETE CONSTRUCTION VISCOUS FLOW KNUDSEN NUMBER 1
use KNUDSEN FLOW UF ROTARY KILNS
SHAFT KILNS
RT ATMOSPHERIC PRESSURE STEAM
CURING
--CONCRETE CURING
CONCRETE DRYING KODEL (TRADEMARK) 2 use POLYESTER FIBERS

KREYS METHOD 2
BT GRAPHICAL METHODS
RT--BEARING CAPACITY
FRICTION CIRCLE METHOD

RUTTER FORMULA 1
BT RESISTANCE EQUATIONS
RT CANAL DESIGN
CHANNEL DESIGN
CHEZY EQUATION
-DISCHARGE COEFFICIENTS
DISCHARGE (WATER)
-FLOW
FLOW MEASUREMENT
-FLUID PLOW
FLUID RESISTANCE
HEAD LOSSES
HYDRAULIC GRADIENTS
HYDRAULIC GRADIENTS
HYDRAULIC RADIUS
MANNING EQUATION
OPEN CHANNEL FLOW
RESISTANCE COEFFICIENT
ROUGHNESS COEFFICIENT
SURFACE ROUGHNESS (HYDRAULICS)
UNIFORM FLOW

The state of the s

L-BEAMS 3 4
BT BEAMS (SUPPORTS)
STRUCTURAL MEMBERS

LABOR COSTS 6
BT COSTS
RT ADMINISTRATIVE COSTS
CONSTRUCTION COSTS

LABOR RELATIONS 6 RT--MANAGEMENT PRODUCTIVITY

LABORATORIES 1 2 3 4 5 6 7

UF RESEARCH LABORATORIES
TESTING LABORATORIES
OT BITUMINOUS LABORATORIES
CHEMICAL LABORATORIES
CONCRETE LABORATORIES
ENGINEERING LABORATORIES
FIELD LABORATORIES
HYDRAULIC LABORATORIES
MOBILITY RESEARCH LABORATORIES
SOIL MECHANICS LABORATORIES
RT INDUSTRIAL PLANTS
LABORATORY MANUALS

LABORATORY CONE PENETRATION
TESTS 2
BT CONE PENETRATION TESTS
LABORATORY SOIL PENETRATION
TESTS
SOIL PENETRATION TESTS
SOIL TESTS (LABORATORY)
RT CONE INDEX
TRAPFICABILITY

LABORATORY EQUIPMENT 1 2 3 4 5 6 7 NOTE: Use of a more specific term is recommended; consult the names of specific kinds of equipment

LABORATORY INVESTIGATIONS 1234567 use LABORATORY TESTS

LABORATORY MANUALS 1 2 3 4 5 6 7
BT DOCUMENTS
MANUALS
RT--LABORATORIES
--SOIL TESTS (LABORATORY)
TEST PROCEDURES
TEST TECHNIQUES

LABORATORY PERMEABILITY TESTS 2
BT PERMEABILITY TESTS
SOIL TESTS (LABORATORY)
NT CONSTANT HEAD TESTS
FALLING HEAD TESTS
RT COEFFICIENT OF PERMEABILITY
PERMEABILITY (SOILS)
--PERMEAMETERS

LABORATORY PLATE BEARING TESTS
BT LOAD TESTS (FOUNDATIONS)
PLATE BEARING TESTS
SOIL TESTS (LABORATORY)
RT FIELD PLATE BEARING TESTS

LABORATORY SOIL PENETRATION
TESTS 2
BT SOIL PENETRATION TESTS
NT LABORATORY CONE PENETRATION
TESTS

LABORATORY SOIL TESTS 2 5 use SOIL TESTS (LABORATORY)

LABORATORY TESTS 1 2 3 4 5 6 7
UF LABORATORY INVESTIGATIONS
NOTE: Use of a more specific
term is recommended; consult
the terms listed below
ABRASION TESTS

LABORATORY TESTS (Con.)
ABSORPTION TESTS
ACCEPTANCE TESTS
ACID RESISTANCE TESTS
ADIABATIC TEMPERATURE RISE TESTS TESTS
AGGREGATE TESTS
ALKALI RESISTANCE TESTS
ASPHALT TESTS
CHEMICAL TESTS
CLAY LUMP TESTS
CONCRETE CREEP TESTS
CONCRETE CREEP TESTS
CONCRETE SAMPLES
CONCRETE SAMPLES CORROSION TESTS DILATION TESTS DIRECT TENSILE STRENGTH TESTS (CONCRETE) DRYING SHRINKAGE TESTS EARLY STIFFENING TESTS PATIGUE TESTS FILTER TESTS FIRE TESTS
FLOW TABLE TESTS (MORTARS) FREEZE-THAW TESTS OALVANIC CORROSION TESTS HARDNESS TESTS HEAT FLOW TESTS HIGH TEMPERATURE TESTS HYDROSTATIC COMPRESSION TESTS TESTS
HYDROSTATIC TESTS
IMPACT HAMMER TESTS
IMPACT TESTS
INDEX TESTS
KELLY BALL TESTS
LABORATORIES LABORATORY EQUIPMENT
LABORATORY MANUALS
LABORATORY SOIL PENETRATION TESTS LOW TEMPERATURE TESTS
MATERIALS TESTS
NONDESTRUCTIVE TESTS
NORMAL CONSISTENCY TESTS PERMEABILITY TESTS PH TESTS
PORTLAND CEMENT PHYSICAL TESTS RADIATION TESTS REMOLDING TESTS ROCK TESTS (LABORATORY) SHOCK TESTS SOIL TESTS (LABORATORY) SOUNDNESS TESTS STRESS CORROSION TESTS ULTRASONIC TESTS WEAR TESTS

LABORATORY UNIT WEIGHT
DETERMINATION 2
BT SOIL TESTS (LABORATORY)
UNIT WEIGHT DETERMINATION
RT--FIELD UNIT WEIGHT DETERMINATION

LABORATORY VAME SHEAR EQUIPMENT
BT LABORATORY EQUIPMENT
SHEAR EQUIPMENT
VAME SHEAR EQUIPMENT
RT FIELD VAME SHEAR EQUIPMENT
LABORATORY VAME SHEAR TESTS

LABORATORY VANE SHEAR TESTS 2
BT SHEAR TESTS
SOIL TESTS (LABORATORY)
VANE SHEAR TESTS
RT FIELD VANE SHEAR TESTS

LABORATORY WATER CONTENT DETER-MINATION 2 BT SOIL TESTS (LABORATORY) WATER CONTENT DETERMINATION

LABORATORY WATER CONTENT
DETERMINATION (Con.)
RT--ATTERBERG LIMITS TESTS
--FIELD WATER CONTENT LAGOONS (LANDFORMS) (Con.) -- PONDS --RESERVOIRS SHALLOW WATER DETERMINATION SHORES LACCOLITH 2
BT INTRUSIONS (GEOLOGY)
RT BATHOLITH
DIKES (GEOLOGY)
SILLS (GEOLOGY) LAGOONS (PONDS) 1 7 NOTE: Shallow ponds used to stratify sewage sludge without mechanical assistance UF OXIDATION LAGOONS OXIDATION PONDS ACQUERS 6
BT COATINGS
RT PAINTS
PROTECTIVE COATINGS LACQUERS STABILIZATION PONDS RT BIODEGRADATION CLARIFICATION EVAPORATION SOLVENTS -ORGANIC MATTER VARNISHES -- PONDS -- RESERVOIRS LACUSTRINE CLAYS 1 2
use LACUSTRINE DEPOSITS -- SEDIMENTATION --SEWAGE TREATMENT SLUDGE DISPOSAL LACUSTRINE DEPOSITS 1 SUF LACUSTRINE CLAYS
LAKE SEDIMENTS
BT GEOLOGICAL DEPOSITS -WASTE DISPOSAL --WATER SUPPLY LAGRANGE EQUATIONS OF MOTION BT EQUATIONS OF MOTION RT--CLAYEY SOILS DEPOSITION
--FLUVIAL MORPHOLOGY
GLACIAL LAKES
LAGOON DEPOSITS LAITANCE 3
RT BLEEDING (CONCRETE) LAKE BEDS 1 2 4 7 LAKE BEDS UF BEDS BT BEDS BEDS (LAKES) --LAKES LAYERED SOILS
--SEDIMENTATION DRY BEDS LACUSTRINE DEPOSITS --SILTS VARVED CLAYS MUD-WATER INTERFACES OCEAN BOTTOM LAGGING 2
NOTE: Horizontal timber planks
used as lining in excavations
RT--BRACINGS
--EARTH PRESSURE --SEDIMENTATION STREAM BEDS -- UNDERWATER EXPLOSIONS LAKE CURRENTS BT WATER CURRENTS RT--LAKES --EXCAVATION HORIZONTAL LOADS SHEET PILING SHEETING LAKE ICE 1
UF ICE ON RIVERS, LAKES, ETC.
BT ICE
RT--FLOATING ICE SHORING SOLDIER BEAMS --SUPPORTS TIMBER CONSTRUCTION ICE COVER
ICE-WATER INTERFACES TIMBERS TRENCH BRACING --UNDERGROUND STRUCTURES
--WALLS LAKE MORPHOLOGY 1 7
NOTE: Study of the structure
or form of lakes
RT BEACHES LAGOON DEPOSITS BT GEOLOGICAL DEPOSITS RT GYPSUM SOILS LAKE MORPHOMETRY LAKE SHORES LACUSTRINE DEPOSITS LAGOONS (LANDPORMS) MARINE DEPOSITS MARL --LAKES LIMNOLOGY -- SURFACE WATERS LAKE MORPHOMETRY RT--BEACHES LAGOONS (LANDFORMS) 1 2 7
NOTE: Shallow bodies of salt
water partly isolated from the
sea by a sand barrier or a
coral reef
BT COASTAL TOPOGRAPHIC HYDROGRAPHY
LAKE MORPHOLOGY
LAKE SHORES
--LAKES LIMNOLOGY --MAPPING FEATURES
TOPOGRAPHIC FEATURES -- MEASUREMENT -- SURFACE WATERS RT ATOLLS --CHANNELS
--INLETS (WATERWAYS)
--ISLANDS (LANDFORMS) LAKE PIERCING UF LAKE TAPPING RT--LAKES LAGOON DEPOSITS LAKE REHABILITATION --OCEANS use LAKE RESTORATION

The state of the s

LAKE RESTORATION UF LAKE REHABILITATION RT--LAKES LAKE SEDIMENTS 1 2
use LACUSTRINE DEPOSITS LAKE SHORES 1
BT SHORES
RT BEACH EROSION BEACH SANDS -BEACHES
LAKE MORPHOLOGY
LAKE MORPHOMETRY --LAKES 1 LAKE SOILS SEDIMENT-WATER INTERFACES LAKE TAPPING use LAKE PIERCING LAKE TERRACES BT TERRACES AKES 1 2 4 7
BT SURFACE WATERS
TOPOGRAPHIC FEATURES
NT DETERTION RESERVOIRS LAKES FARM PONDS GLACIAL LAKES PONDS SALINE LAKES
RT APHOTIC ZONE
BAYOUS --BEACHES BOGS --CHANNELS DENSITY STRATIFICATION DEPTH RECORDERS (WATER) EARTH HYDROSPHERE EPILIMNION. EQUALIZING RESERVOIRS FOREBAYS FRESH WATER GLACIERS GROUNDWATER HYDROLOGY
--HYDRAULIC ENGINEERING
HYDROGRAPHIC SURVEYS
HYPOLIMNION --IMPOUNDMENTS
--INLAND WATERWAYS
--IRRIGATION KARST KARST
LACUSTRINE DEPOSITS
LAGOONS (LANDFORMS)
LAKE BEDS
LAKE CURRENTS
LAKE ICE
LAKE MORPHOLOGY
LAKE MORPHOMETRY
LAKE PIERCING LAKE RESTORATION LAKE SHORES LAKE SOILS LIMNOLOGY --MARSHES MEROMIXIS MULTIPURPOSE RESERVOIRS -NAVIGABLE WATERS PLAYAS --PONDS

PROFUNDAL ZONE RECREATIONAL FACILITIES

--SHORES
--STRATIFICATION WATER
STRIP MINE LAKES
SWAMPS

--RESERVOIRS
--SEDIMENTATION
SEICHES

LAKES (Con.)
THERMOCLINES
TURNOVERS -WATER WATER RESOURCES --WATER SUPPLY WATER SURFACE --WATERWAYS (TRANSPORTATION)
--WATERWAYS (WATERCOURSES) LAMB WAVES 2 4
BT WAVES
RT--ACOUSTIC PROPERTIES
GRAVITY WAVES
ULTRASONIC TESTS LAMINAR BOUNDARY LAYER 1
UF VISCOUS BOUNDARY LAYER
BT BOUNDARY LAYER
RT BOUNDARY SHEAR --FLUID FLOW THERMAL GRADIENTS TURBULENT BOUNDARY LAYER LAMINAR FLOW 1 2
UF STREAMLINE FLOW
BT FLOW
FLUID FLOW AERODYNAMICS --CRITICAL FLOW
DARCYS LAW
FLOW DISTRIBUTION
FLOW NETS
FLOW PATTERNS FLUID RESISTANCE -- GAS FLOW -- GROUNDWATER FLOW -- HYDRAULICS INVISCID FLOW
LIQUID FLOW
-MULTIPHASE FLOW
OPEN CHANNEL FLOW ORIFICE FLOW RESISTANCE COEFFICIENT REYNOLDS NUMBER SEPAGE
SINGLE PHASE FLOW
STEADY FLOW
SUBCRITICAL FLOW TRANSIENT FLOW TRANSITION FLOW TURBULENT FLOW TWO-PHASE FLOW UNIFORM FLOW -UNSTEADY FLOW VISCOSITY VISCOUS FLOW WATER WAVE SUPPRESSORS LAMINAR TURBULENT FLOW USE TRANSITION FLOW LAMINATED PLASTICS 2
NOTE: Composite materials made of a thermosetting resin bonded to paper, cotton, asbestos, nylon or glass fabrics
UF LAMINATES
BT COMPOSITE MATERIALS REINFORCED PLASTICS
NT EPOXY LAMINATES
PHENOLIC LAMINATES
POLYESTER LAMINATES
RT FIBER REINFORCED PLASTICS
LANDING MAT CONSTRUCTION PLASTIC LANDING MATS LAMINATES

use LAMINATED PLASTICS

AND 1 5 6 7 NT--ARABLE LAND ARID LANDS LAND (Con.)
GRASSLANDS
IRRIGABLE LAND
IRRIGATED LAND IRRIGATED LAND
NATIONAL PARKS
--PUBLIC LAND
AGRICULTURE
CAPITAL
LAND ACQUISITION
LAND APPRAISAL
LAND MANAGEMENT
LAND USE
LAND VALUE LAND VALUE -NATURAL RESOURCES REAL PROPERTY RIGHT OF WAY --SURFACE DRAINAGE --TERRAIN LAND ACQUISITION 1 6 EASEMENTS EMINENT DOMAIN LAND LAND APPRAISAL NECOTIATIONS REAL PROPERTY RIGHT OF WAY LAND APPRAISAL APPRAISALS
EVALUATION
ASSESSMENTS BT COST ANALYSIS
EMINENT DOMAIN LAND ACQUISITION
LAND USE
LAND VALUE RIGHT OF WAY --VALUE LAND CLASSIFICATION use TERRAIN CLASSIFICATION LAND CLEARING 5 7
RT--LAND CLEARING VEHICLES
LAND MANAGEMENT
VEGETATION CLEARING LAND CLEARING VEHICLES 5
NT TREE CRUSHERS
RT AGRICULTURAL VEHICLES A ORICULTURAL VEHICLES
BULLDOZERS
--CLEARING
--CONSTRUCTION EQUIPMENT
--FORESTRY VEHICLES
INDUSTRIAL VEHICLES
IAND CLEARING
--LOGGING VEHICLES
--OFF-ROAD VEHICLES
SCENEERS SCRAPERS -- TRACKED VEHICLES VEGETATION CLEARING --WHEELED VEHICLES LAND EROSION 1 2 3 7 use SOIL EROSION LAND LOCOMOTION 5
use HUMAN LOCOMOTION MOBILITY LAND MANAGEMENT 7
RT AFFORESTATION
--CONSERVATION --EROSION FARMS --LAND LAND CLEARING LAND USE REFORESTATION -- RESOURCE CONSERVATION

The state of the s

LAND MANAGEMENT (Con.)
--VEGETATION ESTABLISHMENT
--WATER MANAGEMENT WATERSHED MANAGEMENT LAND-MARINE INTERFACE 5
use LAND-WATER INTERFACE LAND MINE DETECTION BT DETECTION
RT LAND MINES
--MINE DETECTORS LAND MINE WARFARE 4 BT WARFARE RT LAND MINES MINEFIELDS AND MINES 4
BT MINES (ORDNANCE)
RT ANTITANK MINES
CONVENTIONAL WEAFONS
--FRAGMENTATION AMMUNITION
LAND MINE DETECTION
LAND MINE WARFARE
MINEFIELDS LAND MINES MINEFIELDS --WEAPONS LAND OWNERSHIP use LAND TENURE LAND RECLAMATION UF RECLAMATION OF LAND RT--ARABLE LAND --DRAINAGE DRAINAGE PRACTICES -IRRIGATION --MARSHES REFORESTATION
SALT REMOVAL
SOIL CONSERVATION
SOIL EROSION --SWAMPS LAND RESOURCES 7
BT NATURAL RESOURCES
RESOURCES
RT--CONSERVATION FORESTS LAND USE --RESOURCE CONSERVATION VEGETATION WATER RESOURCES WILDLIFE LAND SUBSIDENCE use SUBSIDENCE LAND TENURE 6
UF LAND OWNERSHIP
RT LAND USE
REAL PROPERTY USE 1 5 6 7
AGRICULTURAL WATERSHEDS
FARM PONDS LAND USE RT FARMS FORESTS LAND APPRAISAL
LAND MANAGEMENT
LAND RESOURCES
LAND TENURE
-NATURAL RESOURCES RANGES
--RECREATION
RICE FIELDS
RURAL AREAS
--TERRAIN -- TERRAIN CLASSIFICATION TOPOGRAPHY URBAN PLANNING URBANIZATION

LAND USE (Con.)	LANDFORMS (Con.)
WATERSHEDS	GULLIES
ZONING	ISLANDS (LANDFORMS)
201110	KAMES
LAND VALUE 6	KARST
BT VALUE	LAGOONS (LANDFORMS)
	LAKES
RTLAND LAND ACQUISITION	LAND
	LAND-WATER INTERFACE
LAND APPRAISAL	MARSHES
PRODUCTIVITY	MORAINES
REAL PROPERTY	MOUNTAINS
VALUE ENGINEERING	MUD FLATS
	OBSTACLES
LAND WASTE DISPOSAL 7	OCEAN BOTTOM
NOTE: Waste disposal on land	
(1.e., ground surface)	OCEANS
BT DISPOSAL	PEDIMENTS
WASTE DISPOSAL	PENEPLAINS
	PENINSULAS
LAND-WATER INTERFACE 5	PLAINS
UF EXITING PERFORMANCE	PLATEAUS
LAND-MARINE INTERFACE	PLAYAS
WATER-LAND INTERFACE	PONDS
BT TERRAIN	RAVINES
RT APPROACH GEOMETRY	REEFS
BEACH TERRAIN	RELICT VALLEYS
BEACH TRAFFICABILITY	RIVER BASINS
BEACHES	RIVERS
COASTS	SALT MARSHES
DEPARTURE GEOMETRY	SHOALS
HYDRAULIC GEOMETRY	SHORELINES
HYDROLOGIC GEOMETRY	SHORES
MARINE ENVIRONMENT	SLOPES
RIVERS	SPITS (COASTAL)
STREAM CROSSINGS	STREAMS
STREAMS	SURFACE GEOMETRY FACTORS
WATER	SWAMPS
	TERRAIN
LANDFILLS 1 2 4 7	TERRAIN FACTORS
use EARTH FILLS	TIDAL MARSHES
UBE EARTH FILLS	TOPOGRAPHIC FEATURES
LANDFORMS 1 2 5 7	TOPOGRAPHY
	VALLEYS
NOTE: Shape, form and nature	TABBLE
of a specific feature of the	LANDING FIELD CONSTRUCTION 2 5
earth's land surface. Use	BT CONSTRUCTION
of a more specific term is	RT AIRFIELD CONSTRUCTION
recommended; consult the terms	APRONS (AERONAUTICS)
listed below	EARTH HANDLING EQUIPMENT
ALLUVIAL PLAINS	LANDING FIELD DESIGN
ALLUVIAL VALLEYS	LANDING FIELD DRAINAGE
ARTIFICIAL ISLANDS	LANDING MATS
ATOLLS	PARKING AREAS
BARRIER BEACHES	RUNWAYS
BARS (COASTAL)	
BARS (RIVERINE)	TAXIWAYS
BAYOUS	LANDING FIELD DESIGN 2 5
BAYS (TOPOGRAPHIC FEATURES)	UF LANDING FIELD PLANNING
BEACHES	BT DESIGN
BIOHERMS	
BOGS	
BOULDERS	LANDING FIELD CONSTRUCTION
CANYONS	LANDING FIELD DRAINAGE LANDING FIELD LIGHTING
CAVES	
COASTAL MARSHES	LANDING FIELD MARKING
COASTAL TOPOGRAPHIC FEATURES	LANDING FIELD SITE SELECTION
COASTS	MULTIPLE WHEEL LANDING GEAR
CONTINENTS	
CORAL REEFS AND ISLANDS	LANDING FIELD DRAINAGE 2 5
DELTAIC PLAINS	BT DRAINAGE
DELTAS	RT AIRFIELD DRAINAGE
DRUMLINS	LANDING FIELD CONSTRUCTION
DUNES	LANDING FIELD DESIGN
EROSION	LANDING FIELD MAINTENANCE
ESKERS	LANDING FIELD SITE SELECTION
ESTUARIES	
FJORDS	LANDING FIELD LIGHTING 2 5
FLOOD PLAINS	BT LIGHTING
FRESHWATER MARSHES	RT AIRFIELD LIGHTING
GEOMORPHOLOGY	LANDING FIELD DESIGN
GLACIAL FEATURES	LANDING FIELD MAINTENANCE
GLACIERS	
GULFS	LANDING FIELD MAINTENANCE 2 5
	BT MAINTENANCE

LANDING FIELD MAINTENANCE (COn.)
RT AIRFIELD MAINTENANCE
LANDING FIELD DRAINAGE
LANDING FIELD LIGHTING
LANDING FIELD MARKING

LANDING FIELD MARKING 2 5
BT MARKING
RT AIRFIELD MARKING
LANDING FIELD DESIGN
LANDING FIELD MAINTENANCE

LANDING FIELD PLANNING 2 5 use LANDING FIELD DESIGN

LANDING FIELD SITE SELECTION 2 5
BT SITE SELECTION
RT AIRFIELD SITE SELECTION
LANDING FIELD DESIGN
LANDING FIELD DRAINAGE

LANDING FIELDS 2 3 4 5
NOTE: General term designating
an area of land prepared for
the takeoff and landing of
aircraft
BT AIRCRAFT LANDING AREAS
NT LANDING STRIPS
RT--AIRFIELDS
APRONS (AERONAUTICS)
BARE BASE SUPPORT
HELICOPTER LANDING ZONES
HELIPORTS
PARKING AREAS
--RUNWAYS
TAXIWAYS

LANDING GEAR 2 5 6

UF AIRCRAFT LANDING GEAR

NT MULTIPLE WHEEL LANDING
GEAR

RT--AERCNAUTICAL INSTRUMENTS
AND EQUIPMENT
--AIRCRAFT
AIRCRAFT TIRES
AIRFRAMES
SOIL-WHEEL INTERACTION
--TIRES
TWIN WHEELS
--WHEELS

LANDING IMPACT 3 4 use IMPACT SHOCK

LANDING MAT CONSTRUCTION 2 5
UF LANDING MAT FABRICATION
BT CONSTRUCTION
RT--ANCHORS (FASTENERS)
APRONS (AERONAUTICS)
COMPOSITE MATERIALS (LANDING
MAT CONSTRUCTION)
--LAMINATED PLASTICS
LANDING MAT DESIGN
LANDING MAT DESIGN
LANDING MAT DEAINAGE
LANDING MAT RECOVERY AND
REUSE
MEMBRANE CONSTRUCTION
METAL ADDESIVES
STRUCTURAL ADDESIVES

LANDING MAT DESIGN 2 5

UF LANDING MAT PLANNING

BT DESIGN

RT LANDING MAT CONSTRUCTION
LANDING MAT DRAINAGE
LANDING MAT LIGHTING
LANDING MAT MARKING
LANDING MAT SITE SELECTION
MEMBRANE DESIGN

LANDING MAT DRAINAGE 2 5
BT DRAINAGE
RT EXPEDIENT DRAINAGE STRUCTURES

LANDING MAT DRAINAGE (Con.)
LANDING MAT CONSTRUCTION
LANDING MAT DESIGN
LANDING MAT MAINTENANCE
LANDING MAT SITE SELECTION
SURFACE DEAINAGE

LANDING MAT FABRICATION 2 5 use LANDING MAT CONSTRUCTION

LANDING MAT FAILURES 2 5
BT FAILURES
RT LANDING MAT MAINTENANCE
LANDING MAT RECOVERY AND
REUSE

LANDING MAT LIGHTING 2 5
BT LIGHTING
RT LANDING MAT DESIGN
LANDING MAT MAINTENANCE

LANDING MAT MAINTENANCE 2 5

UF LANDING MAT REFAIRS

BT MAINTENANCE

RT LANDING MAT DRAINAGE

LANDING MAT FAILURES

LANDING MAT LIGHTING

LANDING MAT MARKING

LANDING MAT RECOVERY AND

REUSE

OVERLAYS (LANDING MATS)

LANDING MAT MARKING 2 5
BT MARKING
RT LANDING MAT DESIGN
LANDING MAT MAINTENANCE

LANDING MAT PLANNING 2 5

LANDING MAT RECOVERY AND REUSE 2

RT--EVALUATION
EXPEDIENT CONSTRUCTION
LANDING MAT CONSTRUCTION
LANDING MAT FAILURES
LANDING MAT MAINTENANCE

LANDING MAT REPAIRS 2 5 use LANDING MAT MAINTENANCE

LANDING MAT SITE SELECTION 2 5 BT SITE SELECTION RT LANDING MAT DESIGN LANDING MAT DRAINAGE

LANDING MATS 2 4 5
UF GROUND MATTING
MATTING (AIRFIELDS)
NT ALUMINUM LANDING MATS
FLOATING LANDING MATS
HEAVY DUTY LANDING MATS
LIGHT DUTY LANDING MATS
MAGNESIUM LANDING MATS
MEDIUM DUTY LANDING MATS
MEDIUM DUTY LANDING MATS
--METAL LANDING MATS
STEEL LANDING MATS
STEEL LANDING MATS
STEEL LANDING MATS
AIRCRAFT LANDING AREAS

STEEL LANDING MATS
STEEL LANDING MATS
RT--AIRCRAFT LANDING AREAS
AIRFIELD CONSTRUCTION
APRONS (AERONAUTICS)
EXPEDIENT CONSTRUCTION
EXPEDIENT SURFACINGS
EXTRUSIONS (LANDING MATS)
HELICOPTER LANDING PADS
HONEYCOMB STRUCTURES
LANDING FIELD CONSTRUCTION
LANDING STRIPS
MEMBRANES (AIRFIELDS)
NONSKID SURFACES
OVERLAYS (LANDING MATS)
PARKING AREAS
PREFABRICATED SURFACINGS
PROTECTIVE COATINGS (LANDING
MATS)

LANDING MATS (Con.)
--RUNWAYS
SANDWICH STRUCTURES
SKID RESISTANCE
TAXIWAYS

LANDING PADS (HELICOPTERS) 2 5 use HELICOPTER LANDING PADS

LANDING STRIPS 2 5
UP AIRSTRIPS
BT AIRCRAFT LANDING AREAS
LANDING FIELDS
RT--LANDING MATS
--RUNWAYS

LANDMARKS 1 RT NAVIGATION AIDS

LANDSCAPING 1 6
RT BEAUTIFICATION
EARTHWORK
RECREATIONAL PACILITIES
SOIL CONSERVATION

LANDSLIDE DAMS 1 2 4
BT DAMS
RT AVALANCHES
--FLOW SLIDES
--LANDSLIDES
MUD FLOWS
ROCKSLIDES
SOIL CREEP

LANDSLIDES 1 2
UF EARTHSLIDES
BT EARTH MOVEMENTS
MASS WASTING
SLIDES
NT ROTATIONAL SLIDES
RT AVALANCHES
EARTHQUAKE DAMAGE
EARTHQUAKES
--FLOW SLIDES
LANDSLIDE DAMS
MUD FLOWS
ROCKSLIDES
SUBSIDENCE

LANGUAGES 6
NT PROGRAMMING LANGUAGES
RT DICTIONARIES
NOMENCLATURE

TENSION CRACKS

LANTERN SLIDES 6
use SLIDES (PROJECTION)

LAP CONNECTIONS 3 BT CONNECTIONS

LAPLACE EQUATION 1 6
BT DIFFERENTIAL EQUATIONS
RT DUPUIT-PORCHHEIMER THEORY
GROUNDWATER FLOW
PORCUS MEDIA
RELAXATION METHOD

LAPLACE TRANSFORMATION 6
BT FUNCTIONAL ANALYSIS
FUNCTIONS (MATHEMATICS)
INTEGRAL TRANSFORMATION
TRANSFORMATIONS (MATHEMATICS)
RT DIFFERENTIAL EQUATIONS

LARGE SCALE COMPRESSION TESTS
BT COMPRESSION TESTS
FIELD TESTS
FT--COMPRESSIVE STRENGTH
--MODULUS OF DEFORMATION
STRESS-STRAIN CURVES

LARGE SCALE SHEAR TESTS 2
BT FIELD TESTS
SHEAR TESTS
RT SHEAR STREINGTH
STRESS-STRAIN CURVES

LARVAE 7
NOTE: Pre-adult, usually self-feeding, but not sexually reproducing form of any animal, passing through metamorphosis to the adult stage RT CULICIDAE
--INSECTS
LIFE CYCLES

LASERS 1 2 5 6

NOTE: Light amplification by stimulated emission of radiation

BT MEASURING INSTRUMENTS

RT AQUATIC PLANT CONTROL

--ELECTROMAGNETIC RADIATION GEODETIC SURVEYS
HOLOGRAPHY
INFRARED RAYS
LIGHT TRANSMISSION
MASERS
PROFILOMETERS
--REMOTE SENSING INSTRUMENTS
--SURVEYING
SYNTHETIC RUBIES
WEAPON SYSTEMS
--WELDING

LATERAL FORCES 1 2 3 4 use HORIZONTAL LOADS

LATERAL LOAD TESTS (PILES) 2
use PILE LOAD TESTS (LATERAL
LOADING)

LATERAL LOADS 1 2 3 4 use HORIZONTAL LOADS

LATERAL LOADS (PILES) 2
UF PILE LATERAL LOADS
RT BATTER PILES
DOLPHINS
ECCENTRIC LOADS
--PILE BEARING CAPACITY
PILE FOUNDATION DESIGN
PILE LOAD TESTS (LATERAL
LOADING)
PILE STRESSES
--PILES

LATERAL PRESSURE 1 3 4
BT PRESSURE
RT--DYNAMIC LOADS
EARTH PRESSURE
GUST LOADS
HORIZONTAL LOADS
LIVE LOADS
WIND PRESSURE

LATERAL SOIL PRESSURE 2

LATERAL STRAIN 2
BT STRAINS
RT DEVIATOR STRAIN
--EARTH PRESSURE
HORIZONTAL LOADS
LATERAL YIELD
NORMAL STRAIN

LATERAL YIELD 2
RT--EARTH PRESSURE
--JACKING
LATERAL STRAIN

LATERALS 1 BT CANALS CHANNELS

LAUNCHING SITES (Con.) LATERALS (Con.) LAUNCHING CONDUITS
IRRIGATION CANALS
PIPELINES
RT--BRANCHES LAUNCHING BASES LAUNCHING BASES
LAUNCHING PADS
-MILITARY FACILITIES
MISSILE FACILITIES
MISSILE FACILITY DESIGN
MISSILE FACILITY SITE
SELECTION DRAINAGE SYSTEMS -- DRAINS
-- IRRIGATION SYSTEMS
UNLINED CANALS MISSILE LAUNCHING ROCKET LAUNCHERS ROCKET LAUNCHING WATER DISTRIBUTION LATERITES 2 3 5
NOTE: Weathered red soil
found in tropical countries
UF LATERITIC SOILS -- SITE PREPARATION (CON-STRUCTION) AVA 2 3 BT EXTRUSIVE ROCKS LAVA LATOSOLS RESIDUAL SOILS ACID SOILS HUMID REGIONS IRON OXIDES SAPROLITES IGNEOUS ROCKS ROCKS RT--AGGREGATES --FLOW IGNEOUS PETROLOGY TROPICAL REGIONS
TROPICAL SOILS
WEATHERING (GEOLOGY) MAGMA VOLCANOES LAW OF MOTION 2 4
use NEWTONS LAW OF MOTION LATERITIC SOILS 2 3 5 use LATERITES LATEX 2 3
RT ACRYLIC RESINS
--ADHESIVES RT LEASES LEGISLATION LICENSES -- CEMENTS REGULATIONS -- CONCRETE ADMIXTURES CONCRETE-POLYMER MATERIALS
--ELASTOMERS
NATURAL RUBBER LAYERED MEDIA LAYERED SOILS 2 RT LACUSTRINE DEPOSITS --PAINTS POLYVINYL ACETATE
POLYVINYL CHLORIDE
--RESINS (SYNTHETIC) --LAYERED SYSTEMS
SOIL HORIZONS
SOIL LAYERS
SOIL STRATIFICATION LATOSOLS 2 3 5 use LATERITES STRATA TWO LAYER SOIL SYSTEM VARVED CLAYS LAUNCH BASES use LAUNCHING BASES LAYERED SYSTEMS 2 3 5
NT TWO LAYER SOIL SYSTEM
RT LAYERED SOILS
--PAVEMENT DESIGN
--PAVEMENT PERFORMANCE AND
EVALUATION LAUNCH COMPLEXES 4
use LAUNCHING BASES LAUNCHERS NT GUN LAUNCHERS MISSILE LAUNCHERS SOIL LAYERS
SOIL SERIES
SOIL STRATIFICATION
--STRATIFICATION RT LAUNCHING LAUNCHING 2 4

NT MISSILE LAUNCHING
ROCKET LAUNCHING
RT DROF TESTS (WEAPONS)
--LAUNCHERS
LAUNCHING BASES
--LAUNCHING SITES WAVE PROPAGATION LAYERING use STRATIFICATION LEA FORMULAS RT OPEN CHANNEL FLOW PIPE FLOW LAUNCHING BASES 4
UP LAUNCH BASES
LAUNCH COMPLEXES
RT GROUND SUPPORT EQUIPMENT LEACHING (CONCRETE)
RT AUTOCLAVING
BENEFICIATION LAUNCHING --LAUNCHING SITES EFFLORESCENCE --PERMEABILITY (CONCRETE) MISSILE FACILITIES SOLUBILITY LAUNCHING PADS 2 3 RT EXHAUST BLAST SOLVENTS WEATHERING (CONCRETE) EXHAUST BLAST
LAUNCHING SITES
MISSILE FACILITIES
MISSILE FACILITY DESIGN
MISSILE LAUNCHING
ROCKET LAUNCHING LEACHING (SOILS) RT--DRAINAGE T--DRAINAGE
--GROUNDWATER
INFILTRATION (WATER)
PERCOLATION
SALT REMOVAL
SOIL HORIZONS
SOLUBILITY
SOLVENTS
TOPSOLU LAUNCHING SITES 2 4
NT MISSILE LAUNCHING SITES
RT--BUILDING SITES
GROUND SUPPORT EQUIPMENT
HARDENED INSTALLATIONS TOPSOIL

LENSES (SOIL) EAD 2 3 7 BT HEAVY METALS use SOIL LENSES NOTE: Environment 1 7
NOTE: Environment encompassing standing-water series (lakes, ponds, swamps, etc.)
BT AQUATIC ENVIRONMENT ENVIRONMENTS
RT STANDING WATERS METALS ALLOYS LENTIC ENVIRONMENT -- COATINGS --PAINTS --RADIOACTIVE ISOTOPES TOXICITY LEAF SPRINGS 5
BT SPRINGS (MECHANICAL)
SUSPENSION SYSTEMS (VEHICLES)
RT SPRING DESIGN LEVEE CONSTRUCTION BT CONSTRUCTION EMBANKMENT CONSTRUCTION
RT-BORROW AREAS
EARTH DAM CONSTRUCTION
--EARTH HANDLING EQUIPMENT LEAKAGE EARAGE 1 2 3
NT RESERVOIR LEAKAGE
RT--CANALS
--DAM FAILURES
--DAM PERFORMANCE EARTHWORK HAULING LEVEE DESIGN LEVEE FOUNDATIONS FILTRATION --FLOW --FLOW
--GROUTING
IMPERVIOUS BLANKETS
INFILTRATION (WATER)
--LININGS
PERCOLATION
--PERMEABILITY LEVEE CREVASSES 1
use LEVEE FAILURES LEVEE DESIGN 1 2 PIPE TESTS
PIPING (SEEPAGE)
PONDING TESTS DESIGN EMBANKMENT DESIGN EMBANKMENT DESIGN
LEVEE CONSTRUCTION
LEVEE POUNDATIONS
LEVEE SEEPAGE
LEVEE UNDERSEEPAGE -- POROSITY RETROGRESSIVE EROSION --SEALERS -- UNDERSEEPAGE LEVEES WATER LOSS --WATERPROOFING ROCKFILL DAM DESIGN LEVEE FAILURES 1 2
UF CREVASSES (LEVEES)
LEVEE CREVASSES
RT BURROWING ANIMALS
--DAM FAILURES
EMBANKMENT CRACKING LEASES RT--AGREEMENTS -- CONTRACTS REGULATIONS LEVEE FOUNDATIONS LEVEE SEEPAGE LEVEE UNDERSEEPAGE 6 LEASING RT -- AGREEMENTS --CONTRACTS FINANCING REGULATIONS LEVEES PIPING (SEEPAGE) RETROGRESSIVE EROSION LEAST SQUARES METHOD 1 2
BT NUMERICAL ANALYSIS
RT CORRELATION
CORRELATION TECHNIQUES
CURVE FITTING
FREQUENCY ANALYSIS
NUMERICAL ANALYSIS
OPTIMIZATION
-QUALITY CONTROL
--REGRESSION ANALYSIS
--STATISTICAL ANALYSIS SAND BOILS LEVEE FOUNDATIONS 1 2
BT EMBANKMENT POUNDATIONS
FOUNDATIONS
RT DAM FOUNDATIONS
LEVEE CONSTRUCTION
LEVEE DESIGN
LEVEE FAILURES
LEVEE UNDERSEEPAGE LEVEES LEVEE FUSE PLUGS 1 2 use FUSE PLUGS (LEVEES) LEGGED LOCOMOTION SYSTEMS USE WALKING VEHICLES LEVEE SEEPAGE 1 2
BT SEEPAGE
RT EARTH DAM SEEPAGE
LEVEE DESIGN
LEVEE UNDERSEEPAGE
LEVEE UNDERSEEPAGE LEGISLATION RT LAWS REGULATIONS LENGTH CHANGE TESTS BT CONCRETE TESTS RT CEMENT PASTES LEVEES LEVEE UNDERSEEPAGE 1 2 CONCRETE TEST SPECIMENS MORTARS (MATERIAL) UNDERSEEPAGE
UNDERSEEPAGE
LEVEE DESIGN
LEVEE FOUNDATIONS
LEVEE SEEPAGE LENSES 6
UF PHOTOGRAPHIC LENSES
BT PHOTOGRAPHIC EQUIPMENT
RT CAMERAS LEVEE SEEPAGE
LEVEES
PIPING (SEEPAGE)
RELIEF WELLS
RETROGRESSIVE EROSION LENSES (ICE) 1 use ICE LENSES

THE PARTY OF THE P

LIFT SLAB CONSTRUCTION 3
BT CONCRETE CONSTRUCTION
RT JACKING LEVEES. EVEES 1 2
BT EMBANKMENTS
RT BORROW PITS
DIKES (EMBANKMENTS)
DUMPED FILLS LIFTING MACHINERY 3 use HOISTS -EARTH DAMS
EARTH FILLS
FLOOD CONTROL
FLOOD PROTECTION LIFTS (CONSTRUCTION) 2
NOTE: Includes both soil and concrete lifts
RT--COMPACTION (SOILS)
HORIZONTAL JOINTS FLOOD PROTECTION FLOOD WALLS FLOODWAYS FUSE PLUGS (LEVEES) LEVEE CONSTRUCTION LEVEE DESIGN LEVEE FAILURES LEVEE FOUNDATIONS LEVEE SEEPAGE OVER FLOW SLIP FORMS LIGHT ARTILLERY IGHT ARTILLERY 4
NOTE: All guns and howitzers
not over 105mm in caliber;
also troops equipped with
such weapons
BT ARTILLERY
WEAPONS
RT--GUNS (ORDNANCE)
HOWITZERS OVERFLOW PHREATIC LINE RIVER DIVERSION
RIVER REGULATION
RIVER TRAINING
SHORE PROTECTION
UNDERSEEPAGE CONTROL
WATER CONTROL LIGHT DUTY LANDING MATS
BT LANDING MATS ING 2 6
BENCH MARKS
CONFORMAL MAPPING
GEODETIC SURVEYS
ROUTE SURVEYS LIGHT FREQUENCIES 6
BT FREQUENCY
RT LIGHT (ILLUMINATION) LEVELING LIGHT (ILLUMINATION) 1 6
UF LIGHT WAVES
BT ELECTROMAGNETIC RADIATION SETTLEMENT MEASUREMENT SURVEYING SUNLIGHT LIGHT FREQUENCIES LIGHT PENETRATION LIGHT TRANSMISSION TERRAIN MAPPING THEODOLITES TOPOGRAPHIC SURVEYS LIABILITIES -I.IGHTING RT ACCOUNTING OPTICAL PROPERTIES
OPTICS -- PHOTOMETRY LIBRARIES DOCUMENTATION
INFORMATION CENTERS
INFORMATION RETRIEVAL
INFORMATION SCIENCES SOLAR RADIATION
ULTRAVIOLET RAYS
WAVE ATTENUATION
WAVE REFLECTION WAVE REFRACTION INFORMATION SYSTEMS CENSES 6 RT LAWS PERMITS LIGHT INTENSITY 7
use LUMINOUS INTENSITY LICENSES LIGHT LOAD PAVEMENTS BT PAVEMENTS REGULATIONS LICHENS CHENS 7 BT PLANTS (BOTANY) RT--ALGAE LIGHT PENETRATION 1
RT APHOTIC ZONE
--AQUATIC ENVIRONMENT
LIGHT (ILLUMINATION)
TURBIDIMETERS --FUNGI SESSILE ALGAE SYMBIOSIS TURBIDITY LIFE CYCLES NOTE: Phases, changes or stages an organism passes through during its lifetime RT--ANIMAL ECOLOGY BALANCE OF NATURE LIGHT REFLECTANCE RT--PAVEMENTS LIGHT TRANSMISSION 6
BT ELECTROMAGNETIC WAVE
TRANSMISSION BIORHYTHMS --ECOLOGY WAVE PROPAGATION LARVAE MIGRATION RT LASERS LIGHT (ILLUMINATION) PHENOLOGY
PLANT ECOLOGY
-PLANTS (BOTANY)
SPAWNING LIGHT UTILITY VEHICLES NOTE: Includes small highly mobile recreational mobile recreational
vehicles
NT FORK LIFT TRUCKS
JEEPS
SNOWMOBILES
RT--AMPHIBIOUS VEHICLES
ELECTRIC VEHICLES
--FORESTRY VEHICLES
--MILITARY VEHICLES
--OFF-ROAD VEHICLES
RECONNAISSANCE VEHICLES
--ROAD VEHICLES AERODYNAMIC LIFT AERODYNAMIC CHARACTERISTICS AERODYNAMIC FORCES -DRAG GROUND EFFECT THRUST LIFT GATES 1 BT HYDRAULIC GATES

-- ROAD VEHICLES

LIGHT UTILITY VEHICLES (Con.)
--SNOW VEHICLES
--TRACKED VEHICLES
UTILITY CARRIERS LIGNITE (Con.)
--GEOLOGICAL DEPOSITS
--HYDROCARBONS -WHEELED VEHICLES -- SEDIMENTARY ROCKS LIGHT WAVES 1 6
use LIGHT (ILLUMINATION) IME 2 3 NOTE: Chemically pure lime is calcium oxide, but commercial limes commonly LIGHTHOUSES BT NAVIGATION AIDS RT COASTS commercial limes com contain impurities UF QUICKLIME BT CALCIUM COMPOUNDS RT--CALCIUM CARBONATES CALCIUM OXIDES CALCIUM OXIDES HARBORS --NAVIGATION IGHTING 2 5 6

UF ILLUMINATING
AIRPIELD LIGHTING
AIRPORT LIGHTING
HELIPORT LIGHTING
LANDING FIELD LIGHTING
LANDING MAT LIGHTING
MEMBRANE LIGHTING
ARCHITECTURE
ENVIRONMENTAL ENGINEER: LIGHTING --CEMENTS --LIMESTONES MORTARS (MATERIAL) SLAKING SOIL LIME LIME CEMENTS 3
BT CEMENTS
HYDRAULIC CEMENTS
RT HYDRAULIC LIME
MASONRY CEMENTS
MORTARS (MATERIAL)
OIL WELL CEMENTS
PLASTER
STUCCO ENVIRONMENTAL ENGINEERING HUMAN FACTORS ENGINEERING --LIGHT (ILLUMINATION) --PHOTOMETRY SAFETY LIGHTNING 6
BT ELECTRIC CURRENTS
RT STATIC ELECTRICITY STUCCO LIME FLY ASH 2 3 NOTE: Used for soil treatment RT FLY ASH SOIL LIME LIGHTWEIGHT AGGREGATE CONCRETE
use LIGHTWEIGHT CONCRETES LIGHTWEIGHT AGGREGATES 2 3 5 UF SAND REPLACEMENT (CONCRETE) BT AGGREGATES LIME MODIFIED SOILS 2 3 5 use SOIL LIME AGGREGATES
GRANULAR MATERIALS
EXPANDED CLAY AGGREGATES
EXPANDED SHALE AGGREGATES
EXPANDED SLAG AGGREGATES
EXPANDED SLATE AGGREGATES
AGGREGATE TEXTURE
BAGASSE
LINDERS LIME ROCK 3
NOTE: Unconsolidated or partly consolidated form of limestone, usually containing shells
RT LIMESTONES
SILICA CINDERS LIME SOIL STABILIZATION 2 5
BT CHEMICAL SOIL STABILIZATION
SOIL STABILIZATION
RT CALCIUM HYDROXIDES
FLY ASH
SOIL LIME --CLAYS
CONCRETE AGGREGATES
FLY ASH
INSULATING CONCRETES
--LIGHTWEIGHT CONCRETES
NAILABLE CONCRETE
PERLITE SUBBASES PUMICE -- REFRACTORIES LIMESTONES 2 3 5
BT CALCAREOUS ROCKS
CARBONATE AGGREGATES SAWDUST SINTER (MATERIAL) SEDIMENTARY ROCKS
NT CHALKS
COQUINA
RT--AGGREGATES SLATES VERMICULITE LIGHTWEIGHT CONCRETES 2 3
UF LIGHTWEIGHT AGGREGATE
CONCRETE
STRUCTURAL LIGHTWEIGHT
CONCRETE
BT CONCRETES
NT CELLULAR CONCRETES
INSULATING CONCRETES
RT--LIGHTWEIGHT AGGREGATES
--MASONRY -- CALCIUM CARBONATES
-- CALCIUM COMPOUNDS CAVES --CEMENTS CHALK CORAL CRUSHED STONE CRUSHED STONE
DOLOMITE
FORAMINIFERA
KARST
LIME
LIME ROCK
MARBLE
MARINE DEPOSITS --MASONRY NAILABLE CONCRETE PRECAST CONCRETE LIGNIN 2 3 NT CHROME LIGNIN RT--WOOD MARL MUDSTONES NATURAL CEMENTS LIGNITE 2 3 BT ORGANIC DEPOSITS RT--BITUMENS SINKHOLES --CARBON RT ULTIMATE LOADS COAL
--ECONOMIC GEOLOGY

LIMIT DESIGN 2 NOTE: Method of proportioning structures or structural members based on calculations of their ultimate strength BT DESIGN DESIGN STRUCTURAL DESIGN ELASTIC DESIGN PLASTIC DESIGN SAFETY FACTOR ULTIMATE LOADS LIMIT LOADS 2 3 4 use ULTIMATE LOADS LIMITED ACCESS HIGHWAYS use EXPRESSWAYS LIMITING FACTORS 7
NOTE: Environmental influence
by which the limit of
tolerance of an organism is
first reached and which
therefore acts as the immediate
restriction to one or more of
its functions or activities
or in its geographic distribution
RT BALANCE OF NATURE
DISTRIBUTION PATTERNS
--ECOLOGY --ECOLOGY
--ENVIRONMENTAL EFFECTS -- RESOURCE CONSERVATION
-- TOLERANCES (PHYSIOLOGY) IMNOLOGY 1 2 7
NOTE: Scientific study of fresh waters, especially ponds and lakes, including physical, chemical and biological conditions
BT HYDROLOGY
RT--AQUATIC ANIMALS
--AQUATIC BACTERIA
--AQUATIC BIOLOGY
--AQUATIC ENVIRONMENT
AQUATIC HABITATS
AQUATIC MICROBIOLOGY
--AQUATIC MICROBIOLOGY
--AQUATIC MICROBORISMS
--AQUATIC PLANTS
--BIOLOGICAL COMMUNITIES LIMNOLOGY --BIOLOGICAL COMMUNITIES BIOLOGY --BIOMES CHEMICAL PROPERTIES DENSITY FLOW -- ECOLOGY ENRICHMENT EPILIMNION

ETITION EUTROPHICATION FRESH WATER -FRESHWATER FISHES HYDROGRAPHY

-HYDROLOGY
HYPOLIMNION
LAKE MORPHOLOGY
LAKE MORPHOMETRY

--LAKES --MARSHES

OLIGOTROPHY --OXYGEN DEMAND

--STREAMS
-SUFFACE WATERS
THERMOCLINES
WATER ANALYSIS
--WATER CHEMISTRY
--WATER POLLUTION
WATER PROPERTIES
WATER QUALITY
WATER TEMPERATURE

--PONDS
--RESERVOIRS
STREAM POLLUTION
--STREAMS

LIMONITE IMONITE 3
BT IRON ORES
RT HEAVYWEIGHT AGGREGATES LINE OF SEEPAGE use PHREATIC LINE LINEAR ACCELERATORS 3
BT PARTICLE ACCELERATORS LINEAR ALGEBRA 6 BT ALGEBRA NT DETERMINANTS EIGENVALUES LINEAR TRANSFORMATIONS MATRICES (MATHEMATICS) MATRIX ALGEBRA VECTORS LINEAR ALGEBRAIC EQUATIONS TENSOR ANALYSIS VECTOR ANALYSIS LINEAR ALGEBRAIC EQUATIONS 6 BT ALGEBRA
THEORY OF EQUATIONS
RT DETERMINANTS
--LINEAR ALGEBRA
LINEAR TRANSFORMATIONS MATRICES (MATHEMATICS) LINEAR DIFFERENTIAL EQUATIONS
BT DIFFERENTIAL EQUATIONS
REAL VARIABLES
RT OPERATIONAL CALCULUS LINEAR EXPANSION RT--EXPANSIVE SOILS LINEAR SHRINKAGE SOIL SWELLING THERMAL EXPANSION LINEAR PROGRAMMING 1 6
BT MATHEMATICAL PROGRAMMING
OPERATIONS RESEARCH
RT COMPUTER PROGRAMMING
DYNAMIC PROGRAMMING DYNAMIC PROGRAMMING
GAME THEORY
LINEAR SYSTEMS
-MATHEMATICAL MODELS
MATRICES (MATHEMATICS)
MATRIX ALGEBRA
NETWORK FLOWS
NONLINEAR PROGRAMMING OPTIMIZATION STOCHASTIC MODELS LINEAR SHRINKAGE RT DRYING DRYING
LINEAR EXPANSION
SHRINKAGE CRACKING
SHRINKAGE INDEX
SHRINKAGE LIMIT
SHRINKAGE LIMIT TESTS
SHRINKAGE RATIO
SOIL SHRINKAGE LINEAR SYSTEMS NOTE: Dynamic systems having
a linear response
BT OPERATIONS RESEARCH
RT CONTROL EQUIPMENT
LINEAR PROGRAMMING
NONLINEAR SYSTEMS

LINED CANALS 1 2 3 BT CANALS LINSEED OIL BT OILS RT--COATINGS CHANNELS -- PROTECTIVE COATINGS CONDUITS OPEN CHANNELS CONCRETE LINED CANALS LIQUEFACTION (SOILS) 2

UF SOIL LIQUEFACTION

SPONTANEOUS LIQUEFACTION

RT COLLAPSIBLE SOILS

CRITICAL VOID RATIO

DILATANCY (SOILS)

FALLURES

FOLM SLIDES NT CONCRETE LINED CANALS
EARTH LINED CANALS
ASPHALT MEMBRANES
BANK EROSION
CANAL LININGS
CANAL SEEPAGE
CONCRETE LININGS FLOW SLIDES
QUICK CLAYS
QUICK CONDITION
QUICKSAND EARTH LININGS
FLAP VALVES
IRRIGATION CANALS
--LINED CHANNELS --LININGS SUBSIDENCE -- MEMBRANES LIQUID ASPHALT 2 5
UF CUTBACK ASPHALT
EMULSIFIED ASPHALT
MEDIUM CUFING ASPHALT
RAPID CURING ASPHALT
ROAD OIL
SLOW CURING ASPHALT
BT ASPHALTS SEEPAGE CONTROL SEEPAGE CONTROL DESIGN SOIL CEMENT UNLINED CANALS LINED CHANNELS 1
BT CHANNELS
OPEN CHANNELS 1 2 3 CONCRETE LINED CHANNELS
CHANNEL LININGS
LINED CANALS
--LININGS ACID RESISTANCE ASPHALT PAINT ASPHALT PRIMER -CORROSION PREVENTION SEEPAGE CONTROL SEEPAGE CONTROL DESIGN -STABLE CHANNELS DUST CONTROL
--EMULSIONS -- PROTECTIVE COATINGS PROTECTIVE COATINGS (LANDING 1 2 3 MATS)
PROTECTIVE COATINGS LINED TUNNELS TUNNELS CONCRETE LINED TUNNELS TUNNEL LININGS BT ININGS 1 2 3
NT ASPHALT LININGS
--CANAL LININGS
CHANNEL LININGS
CONCRETE LININGS
EARTH LININGS
IMPERVIOUS LININGS
PERVIOUS LININGS
PIPE LININGS
RESERVOIR LININGS
STEEL LININGS
TUNNEL LININGS
TARMORING (STREAMBEDS)
ASPHALT
--ASPHALTS
--BITTMINOUS CEMENT (MEMBRANES) LIQUID FLOW LININGS BT FLUID FLOW NT OPEN CHANNEL FLOW --STREAM FLOW WATER FLOW RT--CRITICAL FLOW FLUID RESISTANCE FLUID RESISTANCE
--GAS FLOW
--HEAD (FLUID MECHANICS)
HEAD LOSSES
HYDRAULIC JUMP
HYDRAULIC RADIUS
LAMINAR FLOW MASS FLOW -MULTIPHASE FLOW --BITUMINOUS CEMENTS BITUMINOUS CONCRETE --MOLTIPHASE FLOW ORLFICE FLOW PIPE FLOW SINGLE PHASE FLOW STEADY FLOW --STREAM FLOW SUBCRITICAL FLOW -- CASINGS (DRILLING) COAL TAR EPOXY RESINS
--EROSION CONTROL
IMPERVIOUS BLANKETS
--LEAKAGE SUPERCRITICAL FLOW TURBULENT FLOW TWO PHASE FLOW UNIFORM FLOW --LINED CANALS
--LINED CHANNELS
MEMBRANES (LININGS) UNSTEADY FLOW LIQUID-GAS INTERFACES 1
BT BOUNDARIES (SURFACES)
NT AIR-WATER INTERFACES
LIQUID-VAPOR INTERFACES -- PAVING --PAYING
--PIPES
--PROTECTIVE COATINGS
--RESINS (SYNTHETIC)
--REVETMENT RT--GASES LIQUIDS --REVEIMENT
--RIPRAP
SARAN (TRADEMARK)
--SEEPAGE
SEEPAGE CONTROL LIQUIFIED GASES VAPOR PRESSURE VAPORIZING --VAPORS --SEALERS --SHIELDING LIQUID LEVEL CONTROL
RT AUTOMATIC CONTROL
FLOW CONTROL SHOTCRETE SOIL ASPHALT SOIL CEMENT REMOTE CONTROL --WATERPROOFING LIQUID LEVEL GAGES 1
use LIQUID LEVEL INDICATORS LINKAGES

FASTENERS JOINTS (JUNCTIONS)

LIQUID LEVEL INDICATORS
UF LIQUID LEVEL GAGES
BT GAGES GAGES
HYDROLOGIC INSTRUMENTS
MEASURING INSTRUMENTS
DEPTH RECORDERS (WATER)
FLOAT GAGES
FLOAT WELLS
--GAGING STATIONS
LIQUID LEVEL INDICATORS
RECORDING INSTRUMENTS
STILLING WELLS
STREAM GAGING STREAM GAGING STREAM GAGING STATIONS TIDE GAGES WATER STAGE RECORDERS LIQUID LIMIT ATTERBERG LIMITS MECHANICAL PROPERTIES MECHANICAL PROPERTIES
SOIL PROPERTIES
RT-ATTERBERG LIMITS TESTS
LIQUID LIMIT DEVICES
--LIQUID LIMIT TESTS
LIQUIDITY INDEX
ONE POINT LIQUID LIMIT TESTS
PLASTIC LIMIT
PLASTICITY INDEX
RELATIVE CONSISTENCY (SOILS)
SHRINKAGE LIMIT
SOIL CLASSIFICATION
UNIFIED SOIL CLASSIFICATION
SYSTEM SYSTEM LIQUID LIMIT DEVICES 2
RT LIQUID LIMIT
--LIQUID LIMIT TESTS LIQUID LIMIT TESTS 2 5
BT ATTERBERG LIMITS TESTS
INDEX TESTS
SOIL TESTS (LABORATORY)
NT ONE POINT LIQUID LIMIT
TESTS
RT LIQUID LIMIT
LIQUID LIMIT DEVICES LIQUID NITROGEN RT ARTIFICIAL FREEZING FROZEN SOILS SOIL SAMPLING SOIL TESTS (LABORATORY) LIQUID-VAPOR INTERFACES 1
BT BOUNDARIES (SURFACES)
LIQUID-GAS INTERFACES
RT AIR-WATER INTERFACES BUBBLES --EVAPORATION

LIQUIDS LIQUIPIED GASES SOLUTIONS VAPOR PRESSURE VAPORIZING
--VAPORS
VOLATILITY LIQUID WASTES 1 7

BT WASTES RT ACID MINE WATER BIODEGRADATION COAGULATION
--EPPLUENTS
INDUSTRIAL WASTES
LIQUIDS SEWAGE WASTE WATER

LIQUIDITY INDEX 2
UP RELATIVE WATER CONTENT
WATER PLASTICITY RATIO
RT--ATTERBERG LIMITS
--INDEX TESTS
LIQUID LIMIT
PLASTIC LIMIT

LIQUIDITY INDEX (Con.)
PLASTICITY INDEX RELATIVE CONSISTENCY --WATER CONTENT (SOILS) LIQUIDS RT--FLUIDS --GASES HYDROSTATICS
INCOMPRESSIBLE FLOW
-LIQUID-GAS INTERFACES
LIQUID-VAPOR INTERFACES LIQUID WASTES MELTING SLURRIES LIQUIFIED GASES 1 RT--GASES -- GASES
--LIQUID-GAS INTERFACES
LIQUID-VAPOR INTERFACES LITHIFICATION 1 2 use DIAGENESIS

LITHIUM 2 3 7
BT METALS
RT ALLOYS --STEELS

LITHIUM HYDROXIDE 3 BT HYDROXIDES LITHIUM INORGANIC COMPOUNDS

LITHIUM INORGANIC COMPOUNDS NT LITHIUM HYDROXIDE LITHIUM OXIDES

LITHIUM OXIDES 3 BT ALKALIES LITHIUM INORGANIC COMPOUNDS

LITHOLOGY 2
NOTE: Study of the mineral
structure of rocks
BT GEOLOGY PHYSICAL GEOLOGY
CRYSTALLOGRAPHY
MICROSTRUCTURE
--MINERALOGY PETROFABRICS PETROGRAPHY PETROLOGY ROCK ANALYSIS ROCK MECHANICS -- ROCKS

LITHOSPHERE use EARTH CRUST

LITIGATION 6
RT BUILDING CODES
CLAIMS (CONTRACTS)
--CONTRACTS NEGOTIATIONS PATENTS

LITTORAL CURRENTS 1
UF COASTAL CURRENTS
FEEDER CURRENTS
INSHORE CURRENTS
LONGSHORE CURRENTS
WAVE-INDUCED CURRENTS
BT WATER CURRENTS
RT BEACH EROSION
BEACH HOURISHMENT
FEEDER BEACHES FEEDER BEACHES OCEAN CURRENTS OCEANOGRAPHY SHOALING SHORE PROTECTION

LITTORAL DEPOSITS 1 2
NOTE: Marine deposits laid down in the shore belt

LITTORAL DEPOSITS (Con.)
UF SHORE DEPOSITS
BT GEOLOGICAL DEPOSITS
RT BEACH EROSION LOAD BEARING CAPACITY use BEARING CAPACITY LOAD CELLS 2 3 4
BT MEASURING INSTRUMENTS
WEIGHT AND FORCE MEASURING
INSTRUMENTS --BEACHES BOULDERS COASTAL ENGINEERING CALIBRATING
ELECTRICAL RESISTIVITY
PIEZOMETERS
--PRESSURE GAGES COASTS DELTAIC DEPOSITS --GRAVELS LITTORAL DRIFT LITTORAL ZONE MARINE DEPOSITS -- STRAIN MEASURING INSTRUMENTS
TRANSDUCERS -- SANDS -- SEDIMENTATION SHINGLES (BEACH) -- SHORES WEIGHT MEASUREMENT LOAD DISTRIBUTION 1 2 3 4 5
RT--CONTACT PRESSURE (VEHICLES)
--DYNAMIC LOADS
--EARTH PRESSURE
HORIZONTAL LOADS
LIVE LOADS
--LOADS (FORCES)
--PRESSURE
--PRESSURE CELLS
PRESSURE CELLS
PRESSURE DISTRIBUTION
SOIL LOADING ON PIPES,
CONDUITS, ETC.
SOIL PRESSURE
--SOIL STRESSES
STRESS ANALYSIS
STRESS CONCENTRATION
STRESSES
--STRESSES
--LITTORAL DRIFT 1 2
NOTE: Material, usually sand
or small pebbles, carried
along the shoreline by shore
or littoral currents or waves
UF LONGSHORE DRIFT
SHORE DRIFT
BT DRIFT
RT BEACH EROSION
---BEACHES --BEACHES DEBRIS -- GRAVELS --GRAVELS
LITTORAL DEPOSITS
LITTORAL ZONE
MARINE CLAYS
OCEAN CURRENTS
--OCEAN WAVES -STRESS DISTRIBUTION
-STRESSES
STRESSES UNDER TRACKS
-STRESSES UNDER WHEELS
STRUCTURAL ANALYSIS
STRUCTURAL DESIGN SANDBARS SANDS SANDS
SEDIMENT
SEDIMENT TRANSPORT
SEDIMENT TRANSPORT BY WAVES
SHORE PROTECTION LOAD FRAMES use PROVING FRAMES --SHORES --WATER WAVES LOAD RINGS 2 4 use PROVING RINGS ITTORAL ZONE 1 2 7
NOTE: Biogeographic zone between high-and low-water marks
BT BENTHONIC ZONE
ENVIRONMENTS LITTORAL ZONE LOAD SETTLEMENT CURVES use STRESS-STRAIN CURVES TESTS 2 4
LOAD TESTS (FOUNDATIONS)
LOAD TESTS (PAVEMENTS)
ECCENTRIC LOADS
LOADING MACHINES
LOADING RATE
LOADING TIME
LOADS (FORCES) LOAD TESTS MARINE ENVIRONMENT RT BEACH EROSION --BEACHES COASTAL MORPHOLOGY
--COASTAL STRUCTURES
COASTAL ZONE
CONTINENTAL SHELF CONTINENTAL SHELF FLOTSAM LITTORAL DEPOSITS LITTORAL DRIFT NERITIC ZONE OCEAN BOTTOM OCEAN CURRENTS LOAD TESTS (FOUNDATIONS) 2

UF BEARING TESTS

BT LOAD TESTS

NT FIELD PLATE BEARING TESTS

LABORATORY PLATE BEARING
TESTS TESTS
MODEL PILE LOAD TESTS
-PILE LOAD TESTS
PILE LOAD TESTS (BATTER -OCEANS SHALLOW WATER SUBSTRATES SURF ZONE PILE LOAD TESTS (COMPRESSION PILES)
PILE LOAD TESTS (CYCLIC --WATER WAVES LIVE LOADS 1 2 3 4
UP MOVING LOADS
VEHICULAR LOADING
BT LOADS (PORCES)
RT DEAD LOADS
--DYNAMIC LOADS
EARTHQUAKES
EXTERNAL PORCES
ICE LOADS
LATERAL PRESSURE
LOAD DISTRIBUTION
STATIC LOADS LOADING)
PILE LOAD TESTS (LATERAL LOADING)
PILE LOAD TESTS (UPLIFT PILES)
-PLATE BEARING TESTS --PLATE BEARING TESTS IT ALLOWABLE SETTLEMENT
--BEARING CAPACITY
--CONSOLIDATION TESTS (SOILS)
ECCENTRIC LOADS
LOADING MACHINES
LOADING RATE
LOADING TIME
--LOADS (PORCES) STATIC LOADS WIND PRESSURE

LOAD TESTS (FOUNDATIONS) (Con.) D TESTS (FOUNDATIONS) (Con.)
--MODULUS OF DEFORMATION
PROTOTYPE TESTS
SETTLEMENT ANALYSIS
SOIL STRENGTH
SPECIFICATIONS
STRESS-STRAIN CURVES
TIME SETTLEMENT RELATIONSHIP
--WEIGHT AND FORCE MEASURING
INSTRUMENTS LOADS (FORCES) (Con.) AXIAL LOADS
BLAST LOADS
D-LOADS (RIGID PIPES)
DEAD LOADS
- DYNAMIC LOADS
ECCENTRIC LOADS EQUIVALENT SINGLE-WHEEL LOAD GUST LOADS HORIZONTAL LOADS ICE LOADS --IMPULSIVE LOADS LOAD TESTS (PAVEMENTS) 2 5
BT LOAD TESTS
RT--BEARING CAPACITY
EQUIVALENT SINGLE-WHEEL
LOAD LIVE LOADS REPETITIVE LOADS STATIC LOADS TRAFFIC LOADS PAVEMENT DEFLECTION
PAVEMENT DEFORMATION
--PAVEMENT PERFORMANCE AND
EVALUATION TRANSIENT LOADS ULTIMATE LOADS VERTICAL LOADS VIBRATORY LOADS --PLATE BEARING TESTS ROAD RESEARCH RT--BEARING CAPACITY BIAXIAL STRESSES --SPECIFICATIONS
--STRESS-STRAIN RELATIONS
--TRAFFIC TESTS BUILDING CODES
--CONTACT PRESSURE (VEHICLES) --CONTACT PRESSURE
--DESIGN
DESIGN DATA
DESIGN STANDARDS
EARTH PRESSURE LOAD TRANSFER 3
RT AGGREGATE INTERLOCK LOADERS -- FOUNDATIONS DADERS 5
UP FRONT END LOADERS
NT FORK LIFT TRUCKS
RT--CONSTRUCTION EQUIPMENT
CRANES (HOISTS)
--EARTH HANDLING EQUIPMENT --FOUNDATIONS
LOAD DISTRIBUTION
--LOAD TESTS
--LOAD TESTS (FOUNDATIONS)
LOADING RATE
LOADING TIME -- PRESSURE LOADING MACHINES 2 4

RT--LOAD TESTS
--LOAD TESTS (FOUNDATIONS)
--TRIAXIAL SHEAR TESTS
UNCONFINED COMPRESSION
TESTS (SOILS)
UNIAXIAL COMPRESSION
TESTS (ROCK)
--WEIGHT AND FORCE MEASURING
INSTRUMENTS PRESSURE DISTRIBUTION SOIL PRESSURE --STATICS --STATICS
STRAIN RATE
STRENOTH OF MATERIALS
STRESS DISTRIBUTION
--STRESSES UNDER TRACKS
--STRESSES UNDER VEHICLES
STRESSES UNDER WEELS
--STRUCTURAL ANALYSIS
--STRUCTURAL DESIGN
--STRUCTURAL STABILITY
SUPPORTS LOADING RATE 1 2 3 4
UF RATE OF LOADING
RT--CONSOLIDATION TESTS (SOILS) SUPPORTS TRIAXIAL STRESSES --LOAD TESTS
--LOAD TESTS (FOUNDATIONS)
LOADING TIME
--LOADS (FORCES)
PRESSURE VOID RATIO CURVES
SETTLEMENT ANALYSIS WIND PRESSURE LOADS (TRIAXIAL) 2
use TRIAXIAL STRESS OAMS 2
NOTE: Mixtures of sand, silt,
or clay, or a combination of any
of these, with organic matter
BT CLAYEY SOILS
COHESIVE SOILS
GEOLOGICAL DEPOSITS
ORGANIC DEPOSITS
ORGANIC SOILS
SILTY SOILS SHEAR RATE STRAIN RATE TIME SETTLEMENT RELATIONSHIP LOADING (STRUCTURAL)
USE LOADS (FORCES) 1 2 3 4 5 6 LOADING TIME 2 4 ADING TIME 2 4

RT--LOAD TESTS (FOUNDATIONS)

LOADING RATE
--LOADS (FORCES)

SETTLEMENT ANALYSIS

TIME SETTLEMENT RELATIONSHIP SILTY SOILS HUMUS SOILS --SANDS --SILTS TOPSOIL LOADING WAVES 2 4 BT WAVES LOCAL CURRENTS 1
use BOUNDARY CURRENTS LOADS (FORCES) 1 2 3 UF CONCENTRATED LOADS DISTRIBUTED LOADS INCLINED LOADS LOADING (STRUCTURAL) STRUCTURAL LOADING NT AERODYNAMIC LOADS ALICARAFT LOADS ALLOWABLE LOADS ALTERNATING LOADS LOCK CHAMBERS 1 RT LOCKS (WATERWAYS) LOCK CULVERTS 1 3
BT CULVERTS 1 3
RT LOCK FILLING AND EMPTYING
SYSTEMS -- LOCKS (WATERWAYS)

LOCK FILLING AND EMPTYING LOGGING (Con.) SYSTEMS 1 3 RT LOCK CULVERTS WELL LOGGING RT BORING AND SAMPLING PEORING AND SAMPLING
RECORDS
BORING LOGS
--GEOPHYSICAL EXPLORATION
RECORDING INSTRUMENTS
ROCK CLASSIFICATION
RECORDING INSTRUMENTS
ROCK PROPERTIES
SOIL CLASSIFICATION
SOIL LAYERS -- LOCKS (WATERWAYS) LOCK GATES 1
BT HYDRAULIC GATES
NT GUARD GATES
GUILLOTINE GATES HEAD GATES MITER GATES SECTOR GATES TAILGATES SOIL LAYERS --SOIL PROPERTIES TUMBLE GATES
RT--LOCKS (WATERWAYS)
PONTOON GATES --STRATIFICATION STRATIGRAPHY --SUBSURFACE EXPLORATION WELL LOGS LOCK SILTING 1
UF SILTING OF LOCKS
RT--LOCKS (WATERWAYS)
--SEDIMENTATION LOGGING VEHICLES 5
BT FORESTRY VEHICLES
NT SKIDDERS (VEHICLES)
RT AGRICULTURAL VEHICLES
--ARTICULATED VEHICLES LOCKS (WATERWAYS) 1
UF CANAL LOCKS
NAVIGATION LOCKS 1 2 3 4 BULLDOZERS
ELECTRIC VEHICLES
--LAND CLEARING VEHICLES
--OFF-ROAD VEHICLES U-FRAME LOCKS BARGES --TRACKED VEHICLES
--TRACTORS
TREE CRUSHERS CANAL DESIGN --DAMS
--DIVERSION STRUCTURES
--DIVERSION WORKS -- TRUCKS -- WHEELED VEHICLES -- DRY DOCKS --PIOW CONTROL
--FLOW CONTROL
HEADBAYS
INLAND WATERWAYS
LOCK CHAMBERS
LOCK CULVERTS
LOCK FILLING AND EMPTYING LOGIC CIRCUITS BT CIRCUITS
RT--COMPUTER SYSTEMS HARDWARE
--COMPUTERS MULTIVIBRATORS SYSTEMS
--LOCK GATES
LOCK SILTING LOGIC (MATHEMATICS) 6
use MATHEMATICAL LOGIC OGISTICS 5
RT CARGO AIRCRAFT
--CARGO VEHICLES
--MILITARY OPERATIONS
MILITARY ROADS
OVERLAND TRAIN
ROAD CAPABILITY MODELS
--TRANSPORTATION METER GATES LOGISTICS NAVIGABLE RIVERS
--NAVIGABLE WATERS NAVIGATION DAMS TAILBAYS TAILGATES --VALVES LOCOMOTION OCOMOTION 5 use HUMAN LOCOMOTION LOGISTICS SUPPORT RT MAINTENANCE MATERIALS HANDLING MOBILITY NOTE: Silty material deposited
by wind action
BT AEOLIAN DEPOSITS
GEOLOGICAL DEPOSITS
SILTY SOILS
FT AEOLIAN SANDS
--CALCAREOUS SOILS
COLLAPSIBLE SOILS
--SILTS
SUBSIDENCE
WIND ACTION GEOLOGY TRANSPORTATION LOGS (BORING) 2
use BORING LOGS LOGS (WELLS) : LONG COLUMNS 3
BT COLUMNS (SUPPORTS) WIND ACTION GEOLOGY LONG DISTANCE CONVEYORS 3 BT CONVEYORS
MATERIALS HANDLING EQUIPMENT
RT-BELT CONVEYORS
HYDRAULIC CONVEYORS LOG BOOMS 1 RT--RESERVOIRS GARITHMS 6
BT COMPLEX VARIABLES
FUNCTIONS (MATHEMATICS) LOGARITHMS LONGITUDINAL JOINTS 2 3 4 5
BT JOINTS (JUNCTIONS)
RT CONSTRUCTION JOINTS OGGING 1 2

NT BOREHOLE LOGGING
CALIFER LOGGING
ELECTRICAL LOGGING
NUCLEAR LOGGING
SEISMIC LOGGING LOGGING CONTROL JOINTS --SLABS TRANVERSE JOINTS LONGITUDINAL WAVES 1 2 3 4 BT WAVES RT COMPRESSION WAVES ELASTIC WAVES SONIC LOGGING TEMPERATURE LOGGING 3-D LOGGING SHOCK WAVES

LOW HEAT CEMENTS (Con.)
HYDRAULIC CEMENTS
PORTLAND CEMENTS
RT MASS CONCRETE
TEMPERATURE RISE (CONCRETE)
PORTLAND POZZOLAN CEMENTS LONGSHORE CURRENTS use LITTORAL CURRENTS use LITTORAL DRIFT LONGSHORE DRIFT LOSS OF HEAD W PRESSURE 1 2 BT PRESSURE RT HIGH PRESSURE use HEAD LOSSES LOW PRESSURE LOTIC ENVIRONMENT 1 7
NOTE: Environment of actively
moving waters
BT AQUATIC ENVIRONMENT LOW PRESSURE AREAS use CYCLONES ENVIRONMENTS
RT HYDRAULIC PROPERTIES
--RUNNING WATERS LOW PRESSURE STEAM CURING 3
use ATMOSPHERIC PRESSURE STEAM --STREAMS CURING LOW TEMPERATURE 3
BT TEMPERATURE
RT COLD WEATHER OPERATIONS
CRYOGENICS LOVE WAVES OVE WAVES 2 4

NOTE: Special case of elastic surface waves propagated along the stress free surface of a layered medium

UF Q WAVES
QUER WAVES
BT ELASTIC WAVES
MECHANICAL WAVES
SEISMIC WAVES
SURFACE WAVES (SOLID MEDIA)
WAVES 2 4 -- FREEZING LOW TEMPERATURE TESTS LOW TEMPERATURE TESTS 3 RT--BEND TESTS BRITTLENESS --CHEMICAL TESTS
--COMPRESSION TESTS
CONCRETE CREEP TESTS
--CREEP TESTS GROUNDROLL RAYLEIGH WAVES --CREPT TESTS
CRYOGENICS
FATIGUE TESTS
HARDNESS TESTS
HIGH TEMPERATURE TESTS
--HYDROSTATIC TESTS
--IMPACT TESTS LOW ALKALI CEMENTS 3 BT CEMENTS
PORTLAND CEMENTS
RT ALKALI CONTENT (CEMENT)
--ALKALIES --IMPACT TESTS
LOW TEMPERATURE
--NONDESTRUCTIVE TESTS
FLASTICITY TESTS
--QUALITY CONTROL
RADIATION TESTS
--SHEAR TESTS
--STATIC TESTS
STRESS RELAXATION TESTS
TEMPERATURE LOW FLOW CHANNEL FLOW FLOW FLUID FLOW STREAM FLOW AVERAGE FLOW BASE FLOW -DISCHARGE (WATER)
DROUGHTS -- TEMPERATURE TEMPERATURE CONTROL FLOW PATTERNS
LOW-FLOW AUGMENTATION
WATER LEVEL FLUCTUATIONS
--WATER LEVELS TEMPERATURE CONTROL

-TENSION TESTS
THERMAL CONDUCTIVITY
THERMAL EXPANSION

-THERMAL PROPERTIES
THERMAL FESISTANCE
THERMAL SHOCK WATER SHORTAGE LOW-FLOW AUGMENTATION
BT FLOW AUGMENTATION
FLOW CONTROL
RT DESIGN FLOW
--FORECASTING --WEAR TESTS LOW WATER MARK LOWER CRETACEOUS EPOCH BT CRETACEOUS PERIOD --FORECASTING
LOW PLOW
--NAVIGATION
RESERVOIR CAPACITY
RESERVOIR OPERATION
RESERVOIR STORAGE
--RIVER REGULATION
--STREAM PLOW
WATER ALLOCATION
--WATER SUPPLY RV 5 use LUNAR ROVING VEHICLES LUBRICANTS 2 3 RT--FRICTION LUBRICATION
POLYURETHANE RESINS
--RESINS (SYNTHETIC)
SILICONE RESINS LOW HEAD W HEAD 1 BT HEAD (FLUID MECHANICS) RT--DAMS WAXES DERIAZ PUMP TURBINES
--HYDRAULIC GATES
HYDRAULIC MACHINERY
--HYDRAULIC VALVES LUBRICATION 2 3 RT--FRICTION GRAPHITE KAPLAN TURBINES PARAFFINS
PISTON FRICTION
POLYURETHANE RESINS PROPELLER PUMPS -- PLIMPS -RESINS SILICONE RESINS LOW HEAT CEMENTS UF PORTLAND CEMENT TYPE 4 BT CEMENTS

SLIDING WAXES

LUGS 3 5
NT TIRE LUGS
RT ANCHORS (FASTENERS)
--FASTENERS
STUDS
SUPPORTS
TRACK GROUSERS

LUMBER 1 3 RT--FORMWORK (CONSTRUCTION) SHEETING

LUMBER MATTRESSES 1 2
BT MATTRESSES
RT ARTICULATED CONCRETE
MATTRESSES
WILLOW MATTRESSES

LUMINESCENCE 2 3
NOTE: Emission of light at a
temperature below
incandescence
NT--FLUORESCENCE
X RAY FLUORESCENCE
THERMOLUMINESCENCE
RT--TRACERS

LUMINOUS INTENSITY 7 NOTE: Solid angular flux density in a given direction UF LIGHT INTENSITY

LUNAR CRATERS 2
BT CRATERS
RT EXTRATERRESTRIAL PHENOMENA
LUNAR GEOLOGY
MOON

LUNAR ENVIRONMENT 2 5 7

BT ENVIRONMENTS

RT AEROSPACE ENVIRONMENT

EXTRATERRESTRIAL PHENOMENA
LUNAR ROCKS
LUNAR ROVING VEHICLES
LUNAR SOLLS
LUNAR TERRAIN
LUNAR TOPOGRAPHY
MOON
THERMAL ENVIRONMENT

LUNAR GEOLOGY 2
BT GEOLOGY
RT EXTRATERRESTRIAL PHENOMENA
LUNAR CRATERS
LUNAR ROCKS
LUNAR SOILS
MOON

LUNAR ROCKS 2
BT ROCKS
RT LUNAR ENVIRONMENT
LUNAR GEOLOGY
LUNAR SOILS

LUNAR ROVING VEHICLES 5 6
NOTE: Vehicles intended for
travel on the lunar surface
UF LRV
LUNAR SURFACE VEHICLES
BT EXTRATERRESTRIAL VEHICLES
SPACE VEHICLES
RT ELASTIC LOOP MOBILITY
SYSTEM
ELECTRIC VEHICLES
FLEXIBLE WHEELS
LUNAR ENVIRONMENT
LUNAR SOILS
LUNAR TERRAIN
LUNAR TOPOGRAPHY
--WHEELED VEHICLES

LUNAR SOILS 2 5 RT LUNAR ENVIRONMENT LUNAR SOILS (Con.)
LUNAR GEOLOGY
LUNAR ROCKS
LUNAR ROVING VEHICLES
LUNAR TOPOGRAPHY
SYNTHETIC SOILS

LUNAR SURFACE 5
use LUNAR TOPOGRAPHY

LUNAR SURFACE VEHICLES 5
use LUNAR ROVING VEHICLES

LUNAR TERRAIN 5
BT TERRAIN
RT LUNAR ENVIRONMENT
LUNAR ROVING VEHICLES
LUNAR TOPOGRAPHY

LUNAR TOPOGRAPHY 5
UF LUNAR SURFACE
BT TOPOGRAPHY
RT LUNAR ENVIRONMENT
LUNAR ROVING VEHICLES
LUNAR SOILS
LUNAR TERRAIN
--SURFACE GEOMETRY

LYSIMETERS 1 2 7
NOTE: Devices for measuring
the percolation of water
through soils
BT MEASURING INSTRUMENTS
RT EVAPOTRANSPIRATION
PEAK RUNOFF
PERCOLATION
PERMEAMETERS
PRECIPITATION (METEOROLOGY)
--RUNOFF
--WATER CONTENT (SOILS)

M WAVES 3 4
use RAYLEIGH WAVES

MACADAM 2 3 5
RT CRUSHED STONE
--FLEXIBLE PAVEMENTS
--ROAD CONSTRUCTION
ROAD MATERIALS

MACH MODELS 2 4

NOTE: Type of structural model
in which geometry is to scale,
but material is kept the same
(Originally subjected to dynamic loads, but now used also
for static loads)

BT MODELS
STRUCTURAL MODELS
RT ENVIRONMENTAL MODELS

MACH NUMBER 1
UP CAUCHY NUMBER
RT-SHOCK WAVES
SUBSONIC FLOW
SUPERSONIC FLOW

MACH REFLECTIONS 2 4

MACHINE BASES 2 3
use MACHINE POUNDATIONS

MACHINE FOUNDATIONS 2 3

UF MACHINE BASES
BT FOUNDATIONS
PT ALTERNATING LOADS
--DYNAMIC BEARING CAPACITY
--FOOTINGS
FOUNDATION VIBRATIONS
--IMPULSIVE LOADS
REPETITIVE LOADS
RESONANCE
SHOCK ABSORPTION
SHOCK ISOLATION
SUPFACE VIBRATOR TESTS
VIBRATION DAMPING
VIBRATION SUPPRESSORS
VIBRATORY LOADS

MACHINE SHOP PRACTICE 6
RT MACHINE TOOLS
MACHINERY

MACHINE TOOLS 6
RT MACHINE SHOP PRACTICE
MACHINERY

MACHINE TRANSLATING 6
RT AUTOMATION
DICTIONARIES
INFORMATION SCIENCES
MACHETIC TAPES

MACHINERY 5 6
UF MACHINES
NOTE: Use of a more specific
term is recommended; consult
the terms listed below
AGRICULTURAL VEHICLES
CONSTRUCTION EQUIPMENT
EARTH HANDLING EQUIPMENT
ELECTRIC MACHINERY
FORESTRY VEHICLES
GROUND SUPPORT EQUIPMENT
MACHINE SHOP PRACTICE
MACHINE TOOLS
MECHANICAL ENGINEERING
MILITARY EQUIPMENT
NUCLEAR EQUIPMENT
ROAD MACHINERY

MACHINES 5 6

MACROBENTHOS 7

MACROGEOMETRY 5
use SURFACE GEOMETRY

MAGMA 2
RT IGNEOUS PETROLOGY
-- IGNEOUS ROCKS
-- INTRUSIONS (GEOLOGY)
LAVA
-- ROCKS
VOLCANISM

MAGNESIA 3 use MAGNESIUM OXIDES

MAGNESIUM 2 3 7
BT METALS
RT ALKALINE SOILS
ALLOYS
CATHODIC PROTECTION
DOLOMITE
MAGNESIUM LANDING MATS

MAGNESIUM CEMENTS 3 UF SOREL CEMENTS BT CEMENTS

MAGNESIUM H. DROXIDES 3
BT HYDROXIDES
MAGNESIUM INORGANIC COMPOUNDS

MAGNESIUM INORGANIC COMPOUNDS 3
NT MAGNESIUM HYDROXIDES
MAGNESIUM OXIDES
MAGNESIUM SULFATES

MAGNESIUM LANDING MATS 2 5
BT LANDING MATS
METAL LANDING MATS
RT MAGNESIUM

MAGNESIUM OXIDES 3
UF MAGNESIA
PERICLASE
BT MAGNESIUM INORGANIC COMPOUNDS
OXIDES
RT PORTLAND CEMENT COMPOUND
COMPOSITION
SOUNDNESS (CEMENT)

MAGNESIUM SULFATES 3
BT MAGNESIUM INORGANIC COMPOUNDS SULFATES

MAGNETIC DETECTION 4
RT ORDNANCE DETECTORS

MAGNETIC DRUMS 6
use MAGNETIC RECORDING

MAGNETIC EFFECTS 2 6
use MAGNETIC PROPERTIES

MAGNETIC METHODS 2
use MAGNETIC SURVEYS

MAGNETIC MINE DETECTORS 4
BT DETECTORS
MINE DETECTORS
ORDNANCE DETECTORS

MAGNETIC PROPERTIES 2 6

UP MAGNETIC EFFECTS
MAGNETISM

RT-- ELECTRICAL PROPERTIES
ELECTROMAGNETISM
FERRITES
GEOMAGNETISM
MAGNETIC SURVEYS
MAGNETITE
MAGNETITE
MAGNETOMETERS
MATHEMATICAL PHYSICS
MAXWELLS WAVE EQUATIONS
-- MECHANICAL PROPERTIES
SOLID STATE PHYSICS
-- THERMAL PROPERTIES

MAGNETIC RECORDING 6

UF MAGNETIC DRUMS

MAGNETIC TAPE RECORDERS

HT--COMPUTER STORAGE DEVICES
DIGITAL RECORDING

MAGNETIC TAPES

MAGNETIC SURVEYS 2

UF MAGNETIC METHODS

BT GEOPHYSICAL EXPLORATION

SUBSURFACE EXPLORATION

RT AEROMAGNETIC MAPS

ELECTROMAGNETIC SURVEYS

MAGNETOMETIC PROPERTIES

MAGNETOMETERS

MAGNETIC TAPE RECORDERS 6
use MAGNETIC RECORDING

MAGNETIC TAPES 6
BT COMPUTER STORAGE DEVICES
COMPUTER SYSTEMS HARDWARE
TAPES
RT DATA STORAGE

RT DATA STORAGE
DATA TRANSMISSION
MACHINE TRANSLATING
MAGNETIC RECORDING
PUNCHED TAPES
-- RECORDING INSTRUMENTS

MAGNETISM 2 6 use MAGNETIC PROPERTIES

MAGNETITE 2 3
BT HEAVY MINERALS
IRON ORES
METALLIC MINERALS
MINERALS
RT HEAVYWEIGHT AGGREGATES
IRON
IRON OXIDES
MAGNETIC PROPERTIES

MAGNETOHYDRODYNAMICS 1 6
NOTE: Creation of electric
power by passing a hot, electrically conductive gas directly
through a magnetic field
UF PLASMA PHYSICS

MAGNETOMETERS 2 6
NOTE: Instruments for measuring the intensity and direction of a magnetic field
BT MEASURING INSTRUMENTS
RT ELECTRICAL MEASUREMENT ELECTROMAGNETISM MAGNETIC PROPERTIES MAGNETIC SURVEYS
--SPACE VEHICLES

MAGNETRONS 6

MAINTENANCE 1 2 3 4 5 6

UF PATCHING
REPAIRS
SERVICING
UPKEEP
NT AIRFIELD MAINTENANCE
AIRPORT MAINTENANCE
FLEXIBLE PAVEMENT MAINTENANCE
HELIPORT MAINTENANCE
LANDING FIELD MAINTENANCE
LANDING MAT MAINTENANCE
MEMBRANE MAINTENANCE
RIGID PAVEMENT MAINTENANCE
ROAD MAINTENANCE

ROAD MAINTENANCE
VEHICLE MAINTENANCE
BOMB CRATER REPAIRS
--CONSTRUCTION
--DAM INSTRUMENTATION
--DAM PERFORMANCE
GROUND SUPPORT EQUIPMENT
LOGISTICS SUPPORT
MAINTENANCE COSTS
--MANUALS

MAINTENANCE (Con.)
MONITORING
PUBLIC WORKS
RELIABILITY
SAFETY
SAFETY ENGINEERING
SNOW REMOVAL
-- SPECIFICATIONS
STRAPPING
TUCKPOINTING

MAINTENANCE COSTS 6
BT COSTS
RT CONSTRUCTION COSTS
-- MAINTENANCE

MAINTENANCE VEHICLES 5
RT--CONSTRUCTION EQUIPMENT
INDUSTRIAL VEHICLES
--MILITARY VEHICLES
--OFF-ROAD VEHICLES
--ROAD VEHICLES
--SNOW VEHICLES
--TRACKED VEHICLES
--TRUCKS
--TRUCKS

-- WHEELED VEHICLES

MAN MACHINE SYSTEMS 6
RT AUTOMATION
BIONICS
CYBERNETICS
HUMAN FACTORS ENGINEERING
INDUSTRIAL ENGINEERING
INFORMATION SYSTEMS
-- MANAGEMENT
SYSTEMS ANALYSIS
SYSTEMS ENGINEERING

MANAGEMENT 6 7
UF MANAGERIAL COORDINATION
NT CONSTRUCTION MANAGEMENT
CONTRACT ADMINISTRATION
ENVIRONMENTAL MANAGEMENT
FISH MANAGEMENT
FOREST MANAGEMENT
LAND MANAGEMENT
MARSH MANAGEMENT
MARSH MANAGEMENT
PROJECT CONTROL
PROJECT MANAGEMENT
PROJECT PLANNING
SYSTEMS MANAGEMENT

-- WATER MANAGEMENT -- WATER RESOURCES MANAGEMENT WATERSHED MANAGEMENT -- WILDLIFE MANAGEMENT

RT COST CONTROL
DECISION MAKING
- FORECASTING
INDUSTRIAL ENGINEERING
INFORMATION SYSTEMS
LABOR RELATIONS
MAN MACHINE SYSTEMS
MANAGEMENT ENGINEERING
-- MANAGEMENT METHODS
NEGOTIATIONS

-- OPERATIONS RESEARCH PERT PUBLIC RELATIONS REGULATIONS SYSTEMS ANALYSIS SYSTEMS ENGINEERING

MANAGEMENT ENGINEERING 6
UP ADMINISTRATIVE ENGINEERING
RT INDUSTRIAL ENGINEERING
-- MANAGEMENT
SYSTEMS ENGINEERING

MANAGEMENT METHODS 6
NT PERT
RT CRITICAL PATH METHOD
--MANAGEMENT
--OPERATIONS RESEARCH
PROJECT CONTROL
PROJECT PLANNING
--SIMULATION
SYSTEMS MANAGEMENT

MANAGERIAL COORDINATION APPING 1 2 5 NOTE: Excludes conformal mapping UF CARTOGRAPHY MAPPING use MANAGEMENT T CARTOGRAPHY

GEOLOGIC MAPPING
HYDROLOGIC GEOMETRY MAPPING
INFRARED MAPPING
MICROGEOMETRY MAPPING
SOIL MAPPING
SUBSURFACE MAPPING
-SURFACE COMPOSITION MAPPING
SURFACE COMPOSITION MAPPING
-TERRAIN MAPPING
TOPOGRAPHIC MAPPING
TRAFFICABILITY MAPPING
VEGETATION MAPPING
T AERIAL PHOTOGRAPHY
AERIAL SURVEYS
BENCH MARKS
-CAMERAS
-CIVIL ENGINEERING MANEUVERABILITY 6
RT SHIP MANEUVERING MANGROVE SWAMPS BT SWAMPS WETLANDS NGANESE 2 3 THE BT HEAVY METALS MANGANESE METALS ALLOYS
--CORROSION PREVENTION -- STEELS TRACE ELEMENTS MANHOLES 1 2 6 RT OUTLETS -- SEWERS -- CIVIL ENGINEERING DISTRIBUTION PATTERNS SIPHONS ELEVATION GEODETIC SURVEYS -- SUBDRAINS HYDROGRAPHIC SURVEYS LAKE MORPHOMETRY MANIFOLDS ANIFOLDS 1
RT HEAD LOSSES
--INTAKE STRUCTURES
--OUTLET WORKS
PENSTOCKS -- MAPS MILITARY ENGINEERING MOSAICS MULTIBAND PHOTOGRAPHY PHOTOGRAMMETRY PHOTOGRAPHIC RECONNAISSANCE -- TUBES -- PHOTOGRAPHY -- PROFILES MANNING EQUATION 1 ANNING EQUATION 1
NOTE: Includes Manning's number
UF MANNING FORMULA
BT RESISTANCE EQUATIONS
RT CANAL DESIGN
CHANNEL DESIGN
--CHANNEL FLOW -- PROFILES
REMOTE SENSING
SEA LEVEL
STREAMBED PROFILES
-- SURVEYING -- SURVEYING INSTRUMENTS
TERRAIN ANALYSIS
TOPOGRAPHIC SURVEYS
-- TOPOGRAPHY -- CHANNEL FLOW
CHEZY EQUATION
-- DISCHARGE COEFFICIENTS
DISCHARGE MEASUREMENT
-- DISCHARGE (WATER)
-- FLUID FLOW
HAZEN-WILLIAMS EQUATION TRIANGULATION 1 2 5 6 AEROMAGNETIC MAPS BASE MAPS
FACIES MAPS
--GEOLOGIC MAPS
GEOPHYSICAL MAPS HYDRAULIC FRICTION HYDRAULIC RADIUS HIDROULE RADIUS
KUTTER FORMULA
OPEN CHANNEL PLOW
REYNOLDS NUMBER
ROUGHNESS COEFFICIENT GLACIAL MAPS GROUNDWATER MAPS GLACIAL MAPS
GROUNDWATER MAPS
ISOPACH MAPS
ISOPACH MAPS
MINERAL MAPS
OFF ROAD MOBILITY MAPS
OIL AND GAS MAPS
PALEOGEOGRAPHIC MAPS
PALEOGEOLOGIC MAPS
PHYSIOGRAPHIC MAPS
PLANIMETRIC MAPS
RELIEF MAPS
ROAD MAPS
SOIL STRENGTH MAPS
STEUCTURAL MAPS
TECTONIC MAPS
TERRAIN FACTOR MAPS
TERRAIN FACTOR MAPS
THERE-DIMENSIONAL MAPS
TOPOGRAPHIC MAPS
TRAFFICABILITY MAPS
VEGETATION MAPS
WEATHER MAPS
WEATHER MAPS SURFACE ROUGHNESS (HYDRAULICS) TEST CANALS UNIFORM FLOW MANNING FORMULA 1 use MANNING EQUATION MANOMETERS 1 2 4

NOTE: Instruments which measure
pressure by indicating the difference in height of two connecting liquid columns

BT GAGES
HYDROLOGIC INSTRUMENTS
MEASURING INSTRUMENTS
PRESSURE GAGES

BT BOURDON GAGES BOURDON GAGES -- PRESSURE MEASUREMENT MANTLE (GEOLOGY) 2 RT EARTH CRUST EARTH (PLANET) WEATHER MAPS WORLD MAPS RT ATLASES -- CHARTS -- ROCKS -- CORDINATES
DESIGN DATA
-- GEOGRAPHY
GRIDS (COORDINATES)
-- MAPPING MANUALS BT DOCUMENTS NT FIELD MANUALS LABORATORY MANUALS HANDBOOKS

E.S. 11.

-- MAINTENANCE
MAP CRACKING 3
use CONCRETE CRACKING

NAVIGATION CHARTS PHOTOGRAMMETRY

SCALE RATIO

S (Con.)
--SITE SELECTION
SITE SELECTION STUDIES MAPS MARINE BORER ATTACK (PILES) RT MARINE BORERS PILE TREATMENT
-- TIMBER PILES
TREATED TIMBER PILES
-- WOOD PRESERVATIVES -- SURVEYING
SYNOPTIC ANALYSIS
TERRAIN ANALYSIS
TOPOGRAPHIC MAPPING MARINE BORERS RBLE 2 3 NOTE: Pure limestone which has been altered by pressure and RT MARINE BORER ATTACK (PILES)
-- WOOD PRESERVATIVES heat CALCAREOUS ROCKS MARINE CLAYS 1 2 3 BT CLAYS COHESIVE SOILS CRYSTALLINE ROCKS METAMORPHIC ROCKS FINE GRAINED SOILS
RT-BEACHES
DELTAIC DEPOSITS
LITTORAL DRIFT ROCKS RT-- AGGREGATES CALCITE
-- CALCIUM CARBONATES MARINE DEPOSITS DOLOMITE MARL -- LIMESTONES QUICK CLAYS ARINAS 1 3 6
BT HARBOR STRUCTURES
RT BOAT LAUNCHING RAMPS MARINE DEPOSITS 1 2 3 7
UF MARINE SEDIMENTS
SEDIMENT DEPOSITS
BT GEOLOGICAL DEPOSITS MARINAS -- DOCKS BOTTOM SEDIMENT FLOATING DOCKS
HARBOR ENGINEERING
HARBORS
-- INLAND WATERWAYS
-- INLETS (WATERWAYS)
MARINE ENGINEERING DIATOMACEOUS EARTH FORAMINIFERA LAGOON DEPOSITS
--LIMESTONES LITTORAL DEPOSITS MARINE CLAYS MARINE MINING MARINE TERRACES -- RECREATIONAL FACILITIES MARINE ALGAE 7
BT ALGAE
AQUATIC ALGAE
AQUATIC PLANTS OCEAN BOTTOM OCEAN BOTTOM SAMPLERS OCEANIC REGIONS MARINE PLANTS
PLANTS (BOTANY)
RT--AQUATIC MICROORGANISMS
BENTHIC FLORA SEDIMENT MARINE ECOLOGY 1 7 ARINE ECOLOGY 1 7
BT ECOLOGY
RT AQUATIC ANIMALS
--AQUATIC ENVIRONMENT
AQUATIC HABITATS
--AQUATIC PLANTS
ESTUARINE ECOLOGY
MARINE ENVIRONMENT
MARINE POLLUTION -- BENTHOS PHYTOPLANKTON RED TIDE MARINE ANIMALS 7
BT AQUATIC ANIMALS
NT CORAL
MARINE FISHES OYSTERS SHELLFISH MARINE ENGINEERING 1 6 NOTE: Construction and operation of power and mechanical equip-ment of seagoing craft and dock installations RT-BENTHIC FAUNA --BENTHOS -- OCEANS RT-- CIVIL ENGINEERING COASTAL ENGINEERING PERIPHYTON -- PLANKTON SALMON -- DOCKS DRY DOCKS -- ZOOPLANKTON PRI DOCKS

FLOATING STRUCTURES

HARBOR ENGINEERING

NAVAL ARCHITECTURE

MARINAS MARINE ATMOSPHERES RT--CORROSION SALT WATER SEA WATER SULFATE ATTACK NAVAL SCIENCE OCEANOGRAPHY OCEANS MARINE BACTERIA 7
BT AQUATIC BACTERIA
AQUATIC MICROORGANISMS
AQUATIC PLANTS SHIPBUILDING AHINE ENVIRONMENT 1 5 7
NOTE: Comprising all sea floors
below the upper tidal limit
UF OCEAN ENVIRONMENT
BT ENVIRONMENTS
NT BATHYAL ZONE MARINE ENVIRONMENT BACTERIA MARINE PLANTS MICROORGANISMS PLANTS (BOTANY) NT BATHYAL ZONE
-- BENTHONIC ZONE SESTON AQUATIC MICROBIOLOGY LITTORAL ZONE
NERITIC ZONE
-- PELAGIC ZONE
RT-- AQUATIC ENVIRONMENT
-- BEACHES
COASTS -- BENTHOS NITROGEN FIXING BACTERIA PHYTOPLANKTON MARINE BIOLOGY 1 7
BT AQUATIC BIOLOGY
RT AQUATIC ANIMALS
-- AQUATIC PLANTS
FRESHWATER BIOLOGY LAND- WATER INTERFACE MARINE ECOLOGY MARINE POLLUTION OCEAN BOTTOM -- UNDERWATER VEHICLES

-- WATER

MARINE FISHES 7
BT AQUATIC ANIMALS
FISHES
MARINE ANIMALS VERTEBRATES SALMON TROUT

MARINE GEODESY 1 2 BT GEODESY RT HYDROGRAPHIC SURVEYS OCEAN ENGINEERING OCEANIC REGIONS
OCEANOGRAPHY
SUBMARINE TOPOGRAPHY
UNDERWATER SURVEYS

MARINE GEOLOGY 1 2 3 NOTE: Geology of the sea floors UF SUBMARINE GEOLOGY BT GEOLOGY
RT CONTINENTAL DRIFT
ENGINEERING GEOLOGY
-- GEOMORPHOLOGY - GEOMORPHOLOGY
- GEOPHYSICAL EXPLORATION
MARINE MINING
MARINE SEISMICS
- OCEAN BOTTOM
- OCEAN BOTTOM SAMPLERS
- OCEANIC REGIONS
- OCEANOGRAPHY
- PETROLEUM GEOLOGY
- SEDIMENTOLOGY
- STRATIGRAPHY
- SUBMARINE TOPOGRAPHY SUBMARINE TOPOGRAPHY UNDERWATER SURVEYS

MARINE MINING 1 2 UF UNDERWATER MINING BT MINING MARINE DEPOSITS MARINE GEOLOGY OCEAN BOTTOM OCEAN BOTTOM SAMPLERS **OCEANOGRAPHY**

MARINE PLANTS 7
BT AQUATIC PLANTS
PLANTS (BOTANY)
NT MARINE ALGAE
MARINE BACTERIA
RT BENTHIC FLORA -- BENTHOS BIOMASS PHYTOPLANKTON -- PLANKTON

MARINE POLLUTION RT MARINE ECOLOGY MARINE ENVIRONMENT

ARINE SEDIMENTS 1 2 3 7 MARINE SEDIMENTS

MARINE SEISMICS 1 2 4 6
NOTE: Use of controlled elastic
emissions for the purpose of
studying sea bottom and subbottom RT--ELASTIC WAVES I-- ELASTIC WAVES
MARINE GEOLOGY
OCEAN BOTTOM
OCEAN ENGINEERING
SEISMIC INVESTIGATIONS
-- SEISMIC SURVEYS
UNDERWATER ACOUSTICS

MARINE STRUCTURES 1 2 3 4 NT-- BREAKWATERS
-- COASTAL STRUCTURES
DELONG PIERS -- DOCKS DOLPHINS DRY DOCKS
-- HARBOR STRUCTURES

MARINE STRUCTURES (Con.) JETTIES MOORINGS OFFSHORE PILE FOUNDATIONS
-- OFFSHORE STRUCTURES
-- PIERS (DOCKS)
QUAY WALLS
RUBBLE-MOUND BREAKWATERS
SEA WALLS
WHARPES WHARVES
COASTAL ENGINEERING
STRUCTURAL ENGINEERING
UNDERWATER FOUNDATIONS
UNDERWATER PILE DRIVING
--UNDERWATER STRUCTURES

MARINE SURVEYING 1 2
use HYDROGRAPHIC SURVEYING

MARINE SURVEYS use HYDROGRAPHIC SURVEYS

MARINE TERMINALS 4
UF WATER TERMINALS
BT TERMINAL FACILITIES
RT FREIGHT TERMINALS

MARINE TERRACES 1 2
UF OFFSHORE TERRACES
SHORE TERRACES
BT TERRACES RT MARINE DEPOSITS

MARINE WASTE DISPOSAL 7
use OCEAN WASTE DISPOSAL

MARINE WATER use SEA WATER

MARITIME LAWS 1 UF NAVIGATION LAWS

MARKING ARKING 2 5
NT AIRFIELD MARKING
AIRPORT MARKING
HELIPORT MARKING
LANDING FIELD MARKING
LANDING MAT MARKING
MEMBRANE MARKING
PAVEMENT MARKING
RT SAFETY

MARKING TECHNIQUES RT DYE RELEASES
RADIOACTIVE ISOTOPES TAGGING TRACERS TRACKING TECHNIQUES

MARKOV PROCESSES 1
RT MONTE CARLO METHOD
STATISTICAL MODELS

MARL 2 3 BT CALCAREOUS SOILS CLAYEY SOILS COHESIVE SOILS RT-- CALCAREOUS ROCKS CALCITE -- CALCIUM CARBONATES CALICHE -- CLAY MINERALS
-- CRETACEOUS PERIOD LAGOON DEPOSITS
-- LIMESTONES MARINE CLAYS

MARSH MANAGEMENT BT MANAGEMENT 1 7 WATER RESOURCES MANAGEMENT DRAINAGE EFFECTS HABITAT IMPROVEMENT

-- VEGETATION ESTABLISHMENT -- WILDLIFE MANAGEMENT MARSH PLANTS 7 BT PLANTS (BOTANY) RT--AQUATIC PLANTS --MARSHES MARSH SCREW VEHICLE 5
use BUOYANT SCREW VEHICLES MARSHALL METHOD 2 5 NOTE: Method for design and control of bituminous paving mixtures RT--BITUMENS I-BITMMENS
BITUMINOUS LABORATORIES
--COMPACTION (BITUMINOUS
MIXTURES)
FLEXIBLE PAVEMENT DESIGN
(AIRFIELDS)
FLEXIBLE PAVEMENT DESIGN (HIGHWAYS)
-- FLEXIBLE PAVEMENTS
FLOW TESTS (BITUMINOUS
MATERIALS) OPTIMUM BITUMEN CONTENT QUALITY CONTROL STABILITY (BITUMINOUS MATERIALS) TEST PROCEDURES ES 1 2 5 7
ORGANIC TERRAIN
TOPOGRAPHIC FEATURES
WETLANDS MARSHES COASTAL MARSHES FRESHWATER MARSHES SALT MARSHES
SALT MARSHES
TIDAL MARSHES
RT-AQUATIC ENVIRONMENT
AQUATIC HABITATS BACKSWAMP DEPOSITS BAYOUS BOGS FENS FLOODED SOILS - LAKES LAND RECLAMATION LIMNOLOGY
MARSH MANAGEMENT
MARSH PLANTS
MUCK MUD MUSKEG ORGANIC SOILS PEAT QUICKSAND SATURATED SOILS SHALLOW WATER SOFT SOILS STAGNANT WATER STANDING WATERS STREAMS -- SURFACE WATERS WATERLOGGED LAND MARSTON THEORY 5 NOTE: Used in determination of loads on pipelines and conduits RT--CONDUITS

MASERS

RT LASERS MICROWAVES

NOTE: Covering over of one sound or element by another RT ODOR CONTROL

MARSH MANAGEMENT (Con.)
-- MARSHES

MASONRY SONRY 2 3 NT RUBBLE MASONRY RT BRICK CONSTRUCTION -- BRICKS -- CEMENTS -- CERAMIC MATERIALS -- CLAYS CONCRETE BLOCKS CONRETE BRICKS -- CONCRETE PRODUCTS -- CONCRETES -- CONSTRUCTION CURTAIN WALLS DOWELS. EFFLORESCENCE FACINGS FIRE RESISTANCE FIREBRICK FIREBRICK
GLASS BLOCK
GRAVITY WALLS
LIGHTWEIGHT CONCRETES
MASONRY CEMENTS
MASONRY DAMS
MASONRY MORTARS
MASONRY WALLS
MORTARS (MATERIAL) RUBBLE SAND LIME BRICKS -- STRUCTURAL CLAY PRODUCTS
-- STRUCTURAL MEMBERS TIES (REINFORCEMENT)
TILES TUCKPOINTING MASONRY CEMENTS
BT CEMENTS 2 3 CEMENTS
AIR ENTRAINING CEMENTS
BLENDED CEMENTS
CERAMIC MATERIALS
EPOXY RESINS
HYDRAULIC CEMENTS
LIME CEMENTS LIME CEMENTS

- MASONRY
MASONRY MORTARS
MASONRY WALLS
MORTARS (MATERIAL)
NATURAL CEMENTS

- PORTLAND CEMENTS RESIN CEMENTS MASONRY DAMS 1 BT DAMS RT--ARCH DAMS BRICKS 1 2 3 4 BUTTRESS DAMS -- CONCRETE DAMS GALLERIES GRAVITY DAMS -- MASONRY MASONRY WALLS MONOLITHS MULTIPLE ARCH DAMS -- STONES MASONRY MORTARS 3 BT MORTARS (MATERIAL) RT--MASONRY MASONRY CEMENTS MORTAR BOND STRENGTHS MASONRY WALLS 2 3 BT WALLS RT--BRICKS -- CEMENTS CONSTRUCTION JOINTS -- MASONRY MASONNY CEMENTS
MASONRY DAMS
MORTARS (MATERIAL)
RUBBLE MASONRY

MASS CONCRETE MAT FOUNDATION DESIGN RT-- CONCRETE DAMS -- CONCRETES BT DESIGN FOUNDATION DESIGN COOLING (CONCRETE) MAT FOUNDATION CONSTRUCTION
-- STRUCTURAL DESIGN FLY ASH
LOW HEAT CEMENTS
-- POZZOLANS
PREPLACED AGGREGATE CONCRETE
TEMPERATURE RISE (CONCRETE) MAT FOUNDATION PERFORMANCE BT FOUNDATION PERFORMANCE
RT FOUNDATION FAILURES
FOUNDATION SETTLEMENT MASS CURVES BT CURVES MAT FOUNDATIONS 2 3 UF RAFT FOUNDATIONS BT FOUNDATIONS DEPTH AREA DURATION ANALYSIS DURATION CURVES FLOW DURATION FLOW DURATION CURVES FOUNDATIONS
SHALLOW FOUNDATIONS
COMBINED FOOTINGS
CONTINUOUS FOOTINGS
ELASTIC FOUNDATIONS
FLEXIBLE FOUNDATIONS
FLOATING FOUNDATIONS
GRILLAGE FOOTINGS
BIGLIAGE FOUNDATIONS HYDROLOGIC DATA RAIN AND RAINFALL -- RUNOFF MASS FLOW RIGID FOUNDATIONS
-- SLABS RT-FLUID FLOW -- GAS FLOW -- LIQUID FLOW ATERIALS 3 5 6
NOTE: Use of a more specific term is recommended; consult the terms listed below BORROW MATERIALS
BUOYANT MATERIALS
CELLULAR MATERIALS
CERDANIC MATERIALS MATERIALS -- MULTIPHASE FLOW PIPE FLOW SINGLE PHASE FLOW SLIDING SOLIDS FLOW STEAM FLOW CELLULAR MATERIALS
CERAMIC MATERIALS
COMPOSITE MATERIALS
CONSTRUCTION MATERIALS
FABRICS
FABRICS MASS MOVEMENT use MASS WASTING MASS TRANSPORT CURRENTS 1
WAVE-INDUCED CURRENTS
BT WATER CURRENTS FIBERS FRACTURING MATERIALS GALVANIZED MATERIALS GRANULAR MATERIALS MASS WASTING 2
NOTE: Downward movement of rock or soil material on a slope under the influence of gravity UF MASS MOVEMENT BT EARTH MOVEMENTS NT-FLOW SLIDES
-- LANDSLIDES
-- LANDSLIDES GRANULAR MATERIALS
HEAT RESISTANT MATERIALS
JET BLAST RESISTANT MATERIALS
JET FUEL RESISTANT MATERIALS
MATERIALS TESTING
PACKAGING MATERIALS
PARENT MATERIALS (SOILS)
PIT RUN MATERIALS
ROAD MATERIALS -- LANDSLIDES
MUD FLOWS
ROCK SLIDES
ROTATIONAL SLIDES
-- SLIDES
SOLIFFUCTION
TRANSLATORY SLIDES
T AVALANCHES
BASE FAILURES
-- EROSION
GRAVITY
SLIDING MATERIALS CONTROL 1 6
RT MATERIALS ENGINEERING
MONITORING QUALITY CONTROL SCHEDUT, TNG MATERIALS ENGINEERING 1
RT--CONSTRUCTION CONTROL
MATERIALS CONTROL
--QUALITY CONTROL SLIDING SLOPE FAILURES -- SAMPLING SPECIFICATIONS -- SLOPES SUBSIDENCE TALUS TOE FAILURES STRENGTH OF MATERIALS MATERIALS HANDLING 3 6
RT AIR CARGO
BULK HANDLING
-- CARGO MASTICS RT ASPHALTS -- BITUMENS -- BITUMENS
BITUMINOUS CEMENTS
-- JOINT FILLERS
-- JOINT SEALERS
-- RESINS (SYNTHETIC)
SEALING COMPOUNDS CHEMICAL ENGINEERING -- CONCRETE PLACING -- CONVEYING --EXCAVATION
--EXCAVATION
HAZARDOUS MATERIALS
INDUSTRIAL ENGINEERING
LOGISTICS SUPPORT
MATERIALS HANDLING EQUIPMENT
--PIPELINES
ROUTPING MAT FOUNDATION CONSTRUCTION 2 BT CONSTRUCTION FOUNDATION CONSTRUCTION MAT FOUNDATION DESIGN UPLIFT PRESSURE ROUTING SHIPPING -- SLURRIES STOCKPILING

-- TRANSPORTATION UNLOADING

MATERIALS HANDLING EQUIPMENT 3
NT-BELT CONVEYORS
BUCKET CONVEYORS
BULK TRANSPORTERS
CLOSED-TUBE BELT CONVEYORS
-CONVEYORS
EREFEEDS MATHEMATICAL ANALYSIS (Con.)
HARMONIC ANALYSIS
NONLINEAR SYSTEMS
NUMERICAL ANALYSIS
STATISTICAL ANALYSIS
TRANSFORMATIONS (MATHEMATICS) FEEDERS VECTOR ANALYSIS GRAVITY CONVEYORS HOISTS HYDRAULIC CONVEYORS MATHEMATICAL LOGIC 6
UF LOGIC (MATHEMATICS) F LOGIC (MATHEMATICS)
T ALGORITHMS
BOOLEAN ALGEBRA
CONTINUUM HYPOTHESIS
T AUTOMATA THEORY
COMPUTER PROGRAMMING
-- FUNCTIONS (MATHEMATICS)
SWITCHING THEORY LONG DISTANCE CONVEYORS
PNEUMATIC CONVEYORS
SCREW CONVEYORS
SPREADERS STACKERS CHUTES MATERIALS HANDLING -- PIPELINES MATHEMATICAL MODELS 1 2 3 4 5 6 7 NOTE: Abstraction of a physical situation into mathematical -- PUMPS TRUCKS MATERIALS IN SUSPENSION use SUSPENDED LOAD terms ANALYTICAL MODELS MODELS (ANALYTICAL) NUMERICAL MODELS MODELS MATERIALS TESTS 1 2 3 5
NOTE: Use of a more specific
term is recommended; consult
the terms listed below
ABRASION TESTS
ACCEPTANCE TESTS T MODELS
T ANALOG SIMULATION
COMPUTERIZED MODELS
CONSTITUTIVE MODELS
--ENVIRONMENTAL MODELS ACCEPTANCE TESTS
AGGREGATE TESTS
ASPHALT TESTS
CAVITATION RESISTANCE
COMPACTION TESTS
CORROSION TESTS
D-LOADS (RIGID PIPES)
DURABILITY TESTS
FATIGUE TESTS
FATIGUE TESTS
FIELD TESTS -ENVIRONMENTAL MODELS
(ANALYTICAL)
HYBRID SIMULATION
MOBILITY MODELS
ROAD CAPABILITY MODELS
-STATISTICAL MODELS
STOCHASTIC MODELS
TERRAIN MODELS (ANALYTICAL)
ANALOG MODELS - ANALOG MODELS
-- ANALOGS
BENEFIT COST ANALYSIS
COMPUTER ANALYSIS
COMPUTER APPLICATIONS
COMPUTER PROGRAMMING
COMPUTERIZED SIMULATION FIELD TESTS FIELD PERMEABILITY TESTS FLOW TESTS (BITUMINOUS MATERIALS)
FREEZE-THAW TESTS
HARDNESS TESTS
INSPECTION
LABORATORIES -- DESIGN DESIGN
DIGITAL SIMULATION
DIMENSIONAL ANALYSIS
DYNAMIC PROGRAMMING
ECONOMIC ANALYSIS
FINITE DIFFERENCE METHOD
FINITE ELEMENT METHOD
FORECASTING
AME THEORY LABORATORY TESTS

MATERIALS ENGINEERING
MATERIALS FAILURE
MODEL TESTS

NONDESTRUCTIVE TESTS PIPE TESTS PIPE TESTS
PRESSURE TESTS
PROTOTYPE TESTS
QUALITATIVE ANALYSIS
QUALITY CONTROL
QUANTITIVE ANALYSIS
ROCK TESTS (LABORATORY)
SOIL TESTS (LABORATORY)
SAMPLES -- FORECASTING
GAME THEOPY
-- HYDROLOGIC MODELS
LINEAR PROGRAMMING
-- MATHEMATICAL PROGRAMMING
MONTE CARLO METHOD
-- NUMERICAL ANALYSIS
-- NUMERICAL SIMULATION
-- OPERATIONS RESEARCH
-- PREDICTIONS
QUEUEING THEORY
SCHEDILLING SPECIFICATIONS STANDARDS TENSION TESTS
TEST PLANS
TEST PROCEDURES
TEST TECHNIQUES SCHEDULING SIMILITUDE - SIMILITUDE -- SIMULATION -- STOCHASTIC PROCESSES SYNTHETIC HYDROLOGY SYSTEMS ANALYSIS SYSTEMS ENGINEERING TIRE TESTS
ULTRASONIC TESTS
WEAR TESTS
X RAY INSPECTION MATHEMATICAL PHYSICS 5
RT ENGINEERING MATHEMATICS
MAGNETIC PROPERTIES
OPTICS
-- SOUND WAVES
SWITCHING THEORY
SYSTEMS ANALYSIS
THERMODYNAMICS MATHEMATICAL ANALYSIS 1 2 3 4 5 6 7 NOTE: Use of a more specific term is recommended; consult term 1s recommended; const the terms 11sted below ALGEBRA CALCULUS COMPUTER ANALYSIS COMPUTER PROGRAMMING CONTROL THEORY DIMENSIONAL ANALYSIS ENGINEERING MATHEMATICS FINITE ELEMENT METHOD FOURIER ANALYSIS FREQUENCY ANALYSIS FUNCTIONS (MATHEMATICS) GRAPHICAL ANALYSIS MATHEMATICAL PROGRAMMING 6
UF PROGRAMMING (MATHEMATICAL)
BT OPERATIONS RESEARCH DYNAMIC PROGRAMMING LINEAR PROGRAMMING NONLINEAR PROGRAMMING

MATHEMATICAL PROGRAMMING RT COMPUTER PROGRAMMING (Con.) GAME THEORY
-- MATHEMATICAL MODELS MATHEMATICAL STATISTICS 1 2 3 4 7 use STATISTICAL ANALYSIS MATHEMATICAL TABLES 6
UF TABLES (MATHEMATICAL)
BT INFORMATION TABLES (DATA) MATHEMATICAL TRANSFORMATIONS use TRANSFORMATIONS (MATHEMATICS) ATHEMATICS 6
NOTE: Use of a more specific term is recommended; consult the terms listed below ALGEBRA APPLICATIONS OF MATHEMATICS MATHEMATICS CORRELATION TECHNIQUES ENGINEERING MATHEMATICS FACTOR TABLES FUNCTIONS GEOMETRY INFORMATION THEORY INFORMATION THEORY
LAGRANGE THEORY
MATHEMATICAL LOGIC
MATHEMATICAL TABLES
NUMERICAL ANALYSIS
PROBABILITY THEORY
PROBLEM SOLVING THEORY THEORY
THEORY OF NUMBERS
TRANSFORMATIONS (MATHEMATICS)
VECTOR ANALYSIS MATHIEU FUNCTIONS BT COMPLEX VARIABLES
FUNCTIONS (MATHEMATICS)
RT ORTHOGONAL FUNCTIONS MATRICES (MATERIALS)
RT CLAY STRUCTURE
--ROCK PROPERTIES
--SOIL PROPERTIES -- SOIL STRUCTURE MATRICES (MATHEMATICS) 1
UF MATRIX (MATHEMATICS)
BT ALGEBRA
LINEAR ALGEBRA
NT EIGENVALUES DETERMINANTS LINEAR ALGEBRAIC EQUATIONS LINEAR PROGRAMMING LINEAR TRANSFORMATIONS MATRIX ANALYSIS -- NUMERICAL ANALYSIS TENSOR ANALYSIS MATRIX ALGEBRA ALGEBRA
LINEAR ALGEBRA
LINEAR PROGRAMMING
VECTOR ANALYSIS MATRIX ANALYSIS 2 6
BT NUMERICAL ANALYSIS
RT COMPUTER ANALYSIS
FINITE ELEMENT METHOD
MATRICES (MATHEMATICS) STRUCTURAL ANALYSIS MATRIX (MATHEMATICS) 1 2 use MATRICES (MATHEMATICS) ATRIX METHODS 3
BT STRUCTURAL ANALYSIS
NT-- FLEXIBILITY METHODS
--STIFFNESS METHODS
UNIT DISPLACEMENT METHOD
UNIT LOAD METHOD
BT--COMPATIBILITY METHODS
--DEPORMATION METHODS
DYNAMIC STRUCTURAL ANALYSIS
ELASTIC ANALYSIS
--ENERGY METHODS MATRIX METHODS

RIX METHODS (Con.)
-- EQUILIBRIUM METHODS
STABILITY METHODS
STATIC STRUCTURAL ANALYSIS
STATICALLY DETERMINATE MATRIX METHODS STRUCTURES STATICALLY INDETERMINATE STRUCTURES MATTING (AIRFIELDS)
use LANDING MATS 2 5 MATTRESSES NOTE: Bank protection devices NT ARTICULATED CONCRETE MATTRESSES LUMBER MATTRESSES WILLOW MATTRESSES BANK PROTECTION
CHANNEL IMPROVEMENT
CHANNEL STABILIZATION
- EROSION CONTROL - REVETMENT
RIVER TRAINING STRUCTURES
SHORE PROTECTION MAXIMUM DRY DENSITY 2 5
BT DENSITY (MASS/VOLUME)
DRY DENSITY
RT COMPACTION CONTROL (SOILS)
--COMPACTION TESTS
DEGREE OF COMPACTION (SOILS)
--FIELD CONTROL TESTS (SOILS)
MINIMUM DENSITY
MOLSTIFEE DENSITY DETAILORS MOISTURE DENSITY RELATIONS OPTIMUM WATER CONTENT RELATIVE DENSITY DETERMINATION MAXIMUM PROBABLE FLOOD 1 RT- - DAMS DESIGN FLOOD
FLOOD DAMAGE
FLOOD FORECASTING
-- FLOODS HYDROGRAPH ANALYSIS
FEAK DISCHARGE
FEAK FLOODS
PROBABLE MAXIMUM PRECIPITATION RAINFALL- RUNOFF RELATIONSHIPS -- RUNOFF SPILLWAY DESIGN FLOOD
-- SPILLWAYS -- WEATHER PATTERNS MAXIMUM SIZE AGGREGATE 3 use AGGREGATE SIZE MAXWELL MODEL BT MODELS RHEOLOGICAL MODELS RT BURGERS MODEL MAXWELLS WAVE EQUATIONS 2 6
BT WAVE EQUATIONS
RT--ELECTRICAL PROPERTIES
ELECTRODYNAMICS ELECTROMAGNETISM MAGNETIC PROPERTIES VECTOR ANALYSIS MAYFLIES BT INSECTS INVERTEBRATES RT--BENTHIC FAUNA MEAN SEA LEVEL 1 use SEA LEVEL MEANDER BELT DEPOSITS 1 2 ET ALLUVIUM GEOLOGICAL DEPOSITS
ABANDONED CHANNEL DEPOSITS
BACKSWAMP DEPOSITS
NATURAL LEVEE DEPOSITS POINT BAR DEPOSITS

MEANDER BELT DEPOSITS RT ALLUVIAL STREAMS BANK EROSION MEANDERING STREAMS MEANDERS SANDBARS MEANDERING STREAMS 1 UF RIVER MEANDERING STREAM MEANDERING 1 2 STREAMS ALLUVIAL STREAMS AVULSION BANK EROSION
BANK PROTECTION
BANK STABILIZATION
BED MOVEMENTS CHANNEL IMPROVEMENT
CHANNEL STABILIZATION
-- EROSION CONTROL FLOOD PLAINS GABIONS -- GEOMORPHOLOGY
-- MEANDER BELT DEPOSITS
RIVER REGULATION -- SEDIMENTATION STREAM BEDS STREAM EROSION MEANDERS 1 2
UF RIVER MEANDERS
RT ALLUVIAL STREAMS
CHANNEL BENDS

CHANNEL BENDS
FLOOD PLAINS
-- FLUVIAL MORPHOLOGY
-- MEANDER BELT DEPOSITS
-- RIVER REGULATION
RIVER TRAINING -- BIVERS STREAM EROSION

MEASUREMENT 1 6
UF MEASURING
METERING (MEASUREMENT)
PHYSICAL MEASUREMENTS
NT DISCHARGE MEASUREMENT
ELECTRICAL MEASUREMENT
FLOW MEASUREMENT
PERCURNICY MEASUREMENT FLOW MEASUREMENT
FREQUENCY MEASUREMENT
MOTION MEASUREMENT
STRAIN MEASUREMENT
TEM PERA TURE MEASUREMENT
TIME MEASUREMENT
VELOCITY MEASUREMENT
VIBRATION MEASUREMENT
WATER MEASUREMENT
WATER MAVE MEASUREMENT
WAVE MEASUREMENT
AUTOMATION
CALIBRATIONS
EVALUATION -- EVALUATION
-- FORECASTING GEODESY GRAVIMETRY

HYDROGRAPHY LAKE MORPHOMETRY -- MEASURING INSTRUMENTS METRIC SYSTEM METROLOGY MONITORING REMOTE SENSING SAMPLING -- STATISTICAL ANALYSIS
-- SURVEYING TELEMETRY TEST PROCEDURES WEIGHTS AND MEASURES

MEASURING 1 6 use MEASUREMENT

MEASURING DEVICES (ENGINEERING) 2 3 6
use ENGINEERING MEASURING DEVICES MEASURING INSTRUMENTS 1 2 3 4 5 6 7 UF INSTRUMENTS (MEASURING) METERS ACCELEROMETERS ACOUSTIC FLOWMETERS
-- ACOUSTIC MEASURING INSTRUMENTS ALTIMETERS AMMETERS -- ANEMOMETERS BALLISTIC GALVANOMETERS
BAROMETERS
BOREHOLE DEFORMATION GAGES BOURDON GAGES CALORIMETERS CAPACITANCE METERS CAPILLARIMETERS CARLSON STRAIN METERS CARLSON STRESS METERS CATHETOMETERS CATHODE RAY OSCILLOSCOPES CHRONOMETERS COHRON SHEARGRAPH COMPARATORS CURRENT METERS DEAD LOAD TESTERS
-- DEFORMATION GAGES DENSITOMETERS DEPTH FINDERS DIAL GAGES DYNAMOMETERS -- ELECTRIC CURRENT METERS
-- ELECTRIC MEASURING INSTRUMENTS
ELECTRICAL PLEZOMETERS
ELECTRICAL RESISTANCE METERS ELECTRON PROBES EMBANKMENT PIEZOMETERS EVAPOTRANSPIROMETERS EXTENSOMETERS PLOAT GAGES
FLOWMETERS
FOIL DOSIMETERS
FOUNDATION PIEZOMETERS FREQUENCY METERS GAGES GALVANOMETERS
GAMMA COUNTERS
GAMMA RAY SPECTROMETERS
GEIGER COUNTERS GEOPHONES GRAVIMETERS HARDNESS TESTERS
HOOK GAGES
HORIZONTAL MOVEMENT DEVICES
HOT FILM ANEMOMETERS
HOT WIRE ANEMOMETERS
HYDRAULIC PIEZOMETERS HYDROMETERS -- HYGROMETERS HYPSOMETERS INCLINOMETERS INFRARED DETECTORS INTERFEROMETERS IONIZATION CHAMBERS LASERS LIQUID LEVEL INDICATORS
LOAD CELLS
LYSIMETERS
MAGNETOMETERS MANOMETERS
METEOROLOGICAL INSTRUMENTS MICROMETERS
MOISTURE METERS
NEUTRON COUNTERS
NUCLEAR EMULSION COUNTERS NULL INDICATORS OHMMETERS

ORIFICE METERS OSCILLOGRAPHS OSCILLOSCOPES

MEASURING INSTRUMENTS
-- PENETROMETERS MEASURING INSTRUMENTS
-- DETECTORS (Con.) (Con.) ELECTRICALLY POWERED INSTRU--- PHOTOMETERS PIEZOELECTRIC GAGES MENTS MENTS
- ELECTRONIC EQUIPMENT
- ENGINEERING MEASURING DEVICES
- MEASUREMENT
- METEOROLOGICAL INSTRUMENTS PIEZOMETERS PNEUMATIC PIEZOMETERS POINT GAGES POTENTIOMETERS PRESIDE CELLS (FLUIDS)
PRESSURE CELLS (FLUIDS)
PRESSURE CELLS (ROCK)
PRESSURE CELLS (SOILS)
PRESSURE GAGES METROLOGY MILITARY EQUIPMENT MONITORS
-- NUCLEAR EQUIPMENT
-- OPTICAL INSTRUMENTS
PAVEMENT THICKNESS MEASUREMENT
PNEUMATIC INSTRUMENTS
PRESSURE REGULATORS PROFILOMETERS PROPELLER METERS PROVING FRAMES
PROVING RINGS RADIATION RADIATION HAZARDS PSYCHROMETERS PYROMETERS RADIOACTIVE CONTAMINATION RADIOBIOLOGY RADIOSICUOT RADIOCOCLOGY RADIOLOGICAL DEFENSE RECORDING INSTRUMENTS REMOTE CONTROL SAFETY DEVICES SENSORS -- RADIATION COUNTERS
-- RADIATION MEASURING INSTRUMENTS RADIO ALTIMETERS RADIOMETERS RADIOSONDES RAIN GAGES REMOTE SENSING INSTRUMENTS SALINOMETERS SPECTROCHEMICAL ANALYSIS STAGE DISCHARGE RELATIONS SCINTILLATION COUNTERS SEISMIC SENSORS STRAIN MEASUREMENT TELEMETRY SEISMIC SENSORS
SEISMOMETERS
-- SHEAR EQUIPMENT
SNOW GAGES
-- SOIL DENSITY MEASURING DEVICES
SOIL MOISTURE MEASURING DEVICES
-- SOIL STRENGTH TEST INSTRUMENTS TELEMETRY SYSTEMS TIRE TEST EQUIPMENT -- TRANSDUCERS WATER MEASUREMENT MEASURING INSTRUMENTS (REMOTE SPECTROPHOTOMETERS SPECTRORADIOMETERS SENSING) 5
use REMOTE SENSING INSTRUMENTS SPEED INDICATORS STAFF GAGES MEASURING INSTRUMENTS (TRAFFIC-STAFF GAGES
- STRAIN GAGES
STRAIN GAGES (CONCRETE)
- STRAIN MEASURING INSTRUMENTS
STREAM GAGES
STRESS GAGES (CONCRETE)
STRESS GAGES (SOILS) ABILITY) 5
use TRAFFICABILITY TEST INSTRU-MENTS MEASURING INSTRUMENTS (VEHICLES)
use VEHICLE TEST INSTRUMENTS -- STRESS METERS -- STRESS METERS (CONCRETE) MECHANICAL ANALYSIS 2 9 -- SURVEYING INSTRUMENTS
TACHOMETERS MECHANICAL BORERS 2 3
UF MECHANICAL BORING MACHINES
RT CALSSON EXCAVATORS
CALWELD RIGS TELLUROMETERS
-- TEMPERATURE MEASURING INSTRU-MENTS TENSIOMETERS THEODOLITES
--THEMAL MEASURING INSTRUMENTS
THERMOCOUPLES
THERMOMETERS - MINING
- POWER AUGERS
TUNNEL CONSTRUCTION
TUNNELING MACHINES TIDE GAGES
-- TRAFFICABILITY TEST INSTRU-UNDERGROUND CONSTRUCTION MENTS TURBIDIMETERS MECHANICAL BORING MACHINES use MECHANICAL BORERS TURBILIMETERS
ULTRAVIOLET INSTRUMENTS
- VANE SHEAR EQUIPMENT
- VEHICLE TEST INSTRUMENTS
VELOCITY GAGES (MECHANICAL)
- VELOCITY METERS (FLUIDS)
VELOMETERS MECHANICAL ENERGY 1 2 4 6 NT KINETIC ENERGY POTENTIAL ENERGY RT ELECTRICAL ENERGY VENTURI METERS
VENTURI METERS
VERTICAL MOVEMENT DEVICES
VIBRATING WIRE STRAIN METERS
VISCOMETERS MECHANICAL ENGINEERING 1 2 4 5 6 AERODYNAMICS AEROSPACE ENGINEERING AUTOMATION
AUTOMOTIVE ENGINEERING
-- CIVIL ENGINEERING
-- CONSTRUCTION EQUIPMENT VOLTMETERS VOLIMETERS
WATER LEVEL INDICATORS
WATER STAGE RECORDERS
WEIGHING DEVICES
WEIGHT AND FORCE MEASURING
INSTRUMENTS -- DESIGN
-- HYDRAULIC ENGINEERING
HYDRAULIC MACHINERY
-- MACHINERY WEIR GAGES
WES PRESSURE CELLS
WHEATSTONE BRIDGES NUCLEAR ENGINEERING STRESS ANALYSIS CALIBRATING CONTROL EQUIPMENT DEPTH RECORDERS (WATER) -- THERMODYNAMICS MECHANICAL FAILURE 1 2 3 4 5 6 use FAILURE (MECHANICS)

MECHANICAL PROPERTIES (Con.)

-- SHEAR STRENGTH
SHEAR STRENGTH (ROCK)
SHEAR STRENGTH (ROCK)
-- SHEAR STRENGTH (SOILS)
SHRINKAGE LIMIT
SOIL VOID RATIO
STICKY LIMIT MECHANICAL JACKS 2
BT JACKS
RT FLAT JACKS
FOUNDATION JACKS
HYDRAULIC JACKS MECHANICAL PROPERTIES 1 2 3 4 5 6
NOTE: Those properties of a material
that are associated with elastic
and inelastic reaction when force
is applied, or that involve the relationship between stress and
strain STIFFNESS STRESS RELAXATION
-- STRESS STRAIN RELATIONS
STRESS STRAIN RELATIONS STRESS-STRAIN RELATIONS
(CONCRETE)
STRESS-STRAIN RELATIONS (ROCK)
STRESS-STRAIN RELATIONS (SOILS)
-- TANGENT MODULUS
-- TENSILE PROPERTIES
-- TENSILE STRENGTH
TENSILE STRENGTH (CONCRETE)
TENSILE STRENGTH (ROCK)
TENSILE STRENGTH (SOILS)
THERMAL CONDUCTIVITY
THERMAL RESISTANCE
THERMOELASTICITY strain

NT ABRASION RESISTANCE
AIR VOID RATIO
ANGLE OF REPOSE
-- ATTERBERG LIMITS
BEARING STRESS BEARING STRESS
BRITTLENESS
BULK MODULUS
--CEMENT PROPERTIES
CHORD MODULUS
CLEAVAGE STRENGTH (ROCK)
--COHESION CLEAVAGE STRENGTH (ROCK)

- COHESION
COMPACTIBILITY
COMPACTIBILITY (SOILS)
COMPRESSIBILITY (SOILS)
- COMPRESSIBILITY (SOILS)
- COMPRESSIVE PROPERTIES
- COMPRESSIVE STRENGTH
- COMPRESSIVE STRENGTH (CONCRETE)
COMPRESSIVE STRENGTH (ROCK)
COMPRESSIVE STRENGTH (SOILS)
- CONCRETE DURABILITY
CONCRETE WORKABILITY
CONCRETE WORKABILITY
CONCRETE WORKABILITY
CONCRETE WORKABILITY
CONSTRAINED MODULUS
- CREEP PROPERTIES
CREEP PROPERTIES
CREEP STRENGTH
CRITICAL VOID RATIO
DAMPING CAPACITY
DILATANCY (ROCK)
DILATANCY (SOILS)
DUCTILITY
- DURABILITY THERMOELASTICITY TORSIONAL STIFFNESS TORSIONAL STRENGTH (CONCRETE) TOUGHNESS TOUGHNESS
- TRAFFICABILITY
TRIAXIAL STRESS
ULTIMATE STRENGTH
UNIAXIAL COMPRESSIVE STRENGTH
UNIAXIAL TENSILE STRENGTH
VISCOELASTICITY VISCOPLASTICITY VISCOSITY -- VOID RATIO -- WEAR RESISTANCE YIELD POINT YIELD STRENGTH RT ACOUSTIC PROPERTIES
-- ADHESION ANISOTROPY
-BEARING CAPACITY
BEARING CAPACITY (ICE AND -- DURABILITY
DYNAMIC MODULUS OF ELASTICITY
ELASTIC DEFORMATION
ELASTIC LIMIT SNOW) BUOYANCY CHEMICAL PROPERTIES COMPRESSIBILITY ELASTIC LIMIT
- ELASTICITY
FATIGUE (MATERIALS)
FLEXIBILITY
- FLEXURAL STRENGTH
FLEXURAL STRENGTH (CONCRETE)
FLEXURAL STRENGTH (ROCK)
FLEXURAL STRENGTH (SOILS)
- FRICTION
HARDMESS -- CONCRETE PROPERTIES -- CONCRETE PROPERTIES

- DEFORMATION THEORY
DYNAMIC BEARING CAPACITY
DYNAMIC PROPERTIES
ELASTIC PLASTIC BEHAVIOR

-- FAILURE (MECHANICS)
FRACTURE MECHANICS
FRACTURE OF SOLIDS
FRACTURE PROPERTIES
-- FRACMENTATION -- HARDNESS HYDROELASTICITY IMPACT STRENGTH
INITIAL TANGENT MODULUS
LIQUID LIMIT
MICROHARDNESS -- FRAGMENTATION GRAIN SHAPES GRAIN SIZES HYSTERESIS
ICE COHESION
ICE HARDNESS
ICE MECHANICS
ICE STRENGTH
ISOTHOPY -- MODULUS OF DEFORMATION
-- MODULUS OF ELASTICITY
MODULUS OF RUPTURE
PEAK STRENGTH -- PERMEABILITY
-- PERMEABILITY (CONCRETE)
PERMEABILITY (ROCK)
PERMEABILITY (SOILS) KINETICS MAGNETIC PROPERTIES -- METALLURGY PIEZOELECTRICITY
PLASTIC LIMIT
PLASTICITY PHOTOELASTICITY
-- QUALITY CONTROL
RESONANCE RESTITUTION (MATERIALS)
-- RHEOLOGICAL PROPERTIES PLASTICITY
POISSON RATIO
RESIDUAL SHEAR STRENGTH
RESIDUAL STRESS
RESILIENCE -- HHEOLOGICAL PRO RHEOLOGY ROCK MECHANICS -- ROCK PROPERTIES -- ROCK STRENGTH SHEAR CRACKS SNOW MECHANICS -- SNOW PROPERTIES SNOW STRENGTH RHEOLOGICAL PROPERTIES RIGIDITY ROCK DURABILITY
SECANT MODULUS
SHEAR MODULUS
--SHEAR PROPERTIES -- SOIL MECHANICS -- SOIL PROPERTIES

MEDIUM ARTILLERY
BT ARTILLERY
WEAPONS
RT--QUNS (ORDNANCE)
HOWITZERS MECHANICAL PROPERTIES (C -- SOIL STRENGTH SOIL SWELLING SOILD STATE PHYSICS -- SPECIFICATIONS (Con.) -- STRAINS MEDIUM CURING ASPHALT USE LIQUID ASPHALT STRENGTH OF MATERIALS
STRESS CONCENTRATION
-- STRESSES MEDIUM DUTY LANDING MATS BT LANDING MATS STRESS- STRAIN CURVES TENSION CRACKS -- TEXTURE -- THERMAL PROPERTIES MEDIUM LOAD PAVEMENTS - TIRE PROPERTIES
- TIRE PROPERTIES
TOLERANCES (MECHANICS)
WEATHERING (CONCRETE)
WEATHERING (GEOLOGY) BT PAVEMENTS MEETINGS 5 6 UF CONFERENCES CONGRESSES CONVENTIONS WATER PROPERTIES YIELD POINT SEMINARS SYMPOSIA MECHANICAL SHOCK 3 4 WORKSHOPS EXPOSITIONS IMPACT SHOCK MECHANICS SHOCK RESISTANCE PROCEEDINGS -- VIBRATIONS MELT WATER 1 NT SNOWMELT RT FRESH WATER GLACIERS MECHANICAL SOIL STABILIZATION 2 5 ECHANICAL STABILIZATION
BT SOIL STABILIZATION
RT BINDERS
-- COMPACTION (SOILS)
-- DENSIFICATION (SOILS)
PRECONSOLIDATION
PRELOADING (SOILS) -- ICE MELTING SNOW MELTING PUDDLING SOIL BLENDING RT ABLATION
-- FLOATING ICE
ICE BREAKUP
ICE JAMS MECHANICAL WAVES BT WAVES NT DETONATION WAVES LIQUIDS -- MELT WATER SLUSH -- ELASTIC WAVES GRAVITY WAVES SNOWMELT LOVE WAVES MICROBAROMETRIC WAVES THAWING MICROBAROMETHIC WAVES
MICROSEISMS
RAYLEIGH WAVES
-- SEISMIC WAVES
SOUND WAVES
SOUND WAVES
SOUND WAVES
-- SURFACE WAVES (SOLID MEDIA)
T ACOUSTIC PROPERTIES
ACOUSTICS
ELECTROMACHIC RADIATION MELTING POINTS 2
RT FREEZE-THAW TESTS
ROCK MELTING
TEMPERATURE MEMBRANE CONSTRUCTION 2 5 EMBRANE CONSTRUCTION 2 5
BT CONSTRUCTION
RT--ANCHORS (PASTENERS)
APRONS (AERONAUTICS)
COMPOSITE MATERIALS (MEMBRANE CONSTRUCTION)
LANDING MAT CONSTRUCTION
MEMBRANE DESIGN
MEMBRANE DRAINAGE ACOUSTICS
--ELECTROMAGNETIC RADIATION
SEISMIC INVESTIGATIONS
SEISMIC SENSORS
VIBHATIONS (VEHICLES)
--WAVE PROPAGATION
UNDERWATER ACOUSTICS -- VIBRATIONS MEMBRANE ENVELOPED SOIL MECHANICS 1 2 5 6
UF APPLIED MECHANICS
ENGINEERING MECHANICS
SOLID MECHANICS LAYER MEMBRANE RECOVERY AND REUSE MEMBRANE SEWING METHODS -- RUNWAYS SUBORADES THEORETICAL MECHANICS
NOTE: Use of a more specific
term is recommended; consult
the terms listed below
CONTINUUM MECHANICS
DYNAMICS TAXIWAYS MEMBRANE DESIGN 2 5
UF MEMBRANE PLANNING
BT DESIGN
RT LANDING MAT DESIGN
MEMBRANE CONSTRUCTION
MEMBRANE DRAINAGE
MEMBRANE LIGHTING
MEMBRANE MARKING
MEMBRANE SITE SELECTION FLUID DYNAMICS FLUID MECHANICS HYDRAULICS ICE MECHANICS KINEMATICS KINETICS MECHANICAL ENGINEERING
NONLINEAR MECHANICS
ROCK MECHANICS
SNOW MECHANICS
SOIL MECHANICS MEMBRANE DRAINAGE 2 5
BT DRAINAGE
RT EXPEDIENT DRAINAGE STRUCTURES
MEMBRANE CONSTRUCTION
MEMBRANE DESIGN
MEMBRANE MAINTENANCE
MEMBRANE SITE SELECTION
SURPACE DRAINAGE STATICS STRUCTURAL ENGINEERING THEORY OF ELASTICITY THEORY OF PLASTICITY

MEMBRANE ENVELOPED SOIL LAYER 5 MEMBRANE WATERPROOFING (FOUNDATIONS) (Con.)
MEMBRANES (ROADS)
PERVIOUS MEMBRANES MESL EXPEDIENT CONSTRUCTION MEMBRANE CONSTRUCTION MEMBRANES (AIRFIELDS) MEMBRANES (ROADS) RAPID ROAD CONSTRUCTION PERVIOUS MEMBRANE
POLYPROPYLENE ASPHALT MEMBRANE
PREFABBICATED MEMBRANES
TRIAXIAL TEST MEMBRANES
RT--ABSCRPTION MEMBRANE FABRICATION 2 5 -- FABRICS RT CURING FIBER REINFORCED PLASTICS -- FILTERS FLUID FILTERS IMPERVIOUS LININGS -- FIBERS INDUSTRIAL FABRICS -- LINED CANALS -- ÓSMOSIS MEMBRANE PACKAGING -- ÓSMOSIS -- PERMEABILITY PROTECTIVE COATINGS (MEMBRANES) REVERSE OSMOSIS SLOPE PROTECTION MEMBRANE FAILURES 2 5 BT FAILURES RT MEMBRANE MAINTENANCE MEMBRANE RECOVERY AND REUSE -- TEXTILES MEMBRANES (AIRFIELDS) 2 5 MEMBRANE FILTERS EMBRANES (AIRFIELDS) 2 5
BT MEMBRANES
RT-- AIRCRAFT LANDING AREAS
AIRFIELD CONSTRUCTION
APRONS (AERONAUTICS)
DUST CONTROL
EXPEDIENT CONSTRUCTION
EXPEDIENT SURFACINGS
HELICOPTER LANDING PADS use MEMBRANES MEMBRANE LIGHTING 2 5 BT LIGHTING HT MEMBRANE DESIGN MEMBRANE MAINTENANCE MEMBRANE MAINTENANCE UF MEMBRANE REPAIRS BT MAINTENANCE -- LANDING MATS
MEMBRANE ENVELOPED SOIL LAYER MAINTENANCE
MEMBRANE DRAINAGE
MEMBRANE PAILURES
MEMBRANE LIGHTING
MEMBRANE MARKING
MEMBRANE RECOVERY AND REUSE NONSKID SURFACES OVERLAYS (LANDING MATS) OVERRUN BLAST AREAS PARKING AREAS -- RUNWAYS SKID RESISTANCE MEMBRANE SEWING METHODS TAXIWAYS MEMBRANE MARKING 2 5 BT MARKING RT MEMBRANE DESIGN MEMBRANES (BEACHES) 2 BT MEMBRANES RT EXPEDIENT CONSTRUCTION MEMBRANE MAINTENANCE EXPEDIENT SURFACINGS MEMBRANE PACKAGING RT MEMBRANE FABRICATION MEMBRANES (CURING) use CONCRETE CURING
CURING AGENTS
CURING FILMS AND SHEETS
VAPOR BARRIERS MEMBRANE PLANNING use MEMBRANE DESIGN MEMBRANE RECOVERY AND REUSE 2 5 MEMBRANES (LININGS) 2 RT- - EVALUATION EXPEDIENT CONSTRUCTION MEMBRANE CONSTRUCTION MEMBRANE FAILURES MEMBRANE MAINTENANCE BT MEMBRANES RT BURIED MEMBRANES -- LININGS MEMBRANES (ROADS) 2 5
BT MEMBRANES
RT EXPEDIENT CONSTRUCTION
EXPEDIENT SURFACINGS
MEMBRANE ENVELOPED SOIL LAYER
-- OVERLAYS (PAVEMENTS) MEMBRANE REPAIRS 2 5
use MEMBRANE MAINTENANCE MEMBRANE SEWING METHODS 2
RT MEMBRANE CONSTRUCTION
MEMBRANCE MAINTENANCE RAPID ROAD CONSTRUCTION SURFACE TREATMENT (ROADS) MEMBRANE SITE SELECTION 2 5 MERCURY BT SITE SELECTION RT MEMBRANE DESIGN HEAVY METALS METALS BT MEMBRANE DRAINAGE ALLOYS THERMOMETERS MEMBRANE THEORY (SHELLS) 3 RT-- SHELLS (STRUCTURAL FORMS) TOXICITY -- STRUCTURAL ANALYSIS MEROMIXIS 7 NOTE: Condition of permanent stratification of water masses MEMBRANE WATERPROOFING
(FOUNDATIONS) 2
BT WATERPROOFING (FOUNDATIONS)
RT IMPERVIOUS MEMBRANES in lakes RT--LAKES -- RESERVOIRS EMBRANES 1 2 5 7
UF MEMBRANE FILTERS
NT ASPHALT MEMBRANES
BURIED MEMBRANES
IMPERVIOUS MEMBRANES
MEMBRANES (AIRPIELDS)
MEMBRANES (BEACHES)
MEMBRANES (LININGS) -- STRATIFICATION (WATER)
TURNOVERS MEMBRANES MESAS use PLATEAUS

MESL

USE MEMBRANE ENVELOPED SOIL LAYER

NT METALLOGRAPHY
RT- ALLOYS
HEAT MESOZOIC ERA METALLURGY NT-- CRETACEOUS PERIOD JURASSIC PERIOD
LOWER CRETACEOUS EPOCH
TRIASSIC PERIOD
UPPER CRETACEOUS EPOCH HEAT TREATMENT IRON -- MECHANICAL PROPERTIES -- METALS METALS TESTING METABOLISM ETABOLISM 7
NT NITROGEN METABOLISM
RT BIOCHEMICAL OXYGEN DEMAND
EXCRETION THORIUM S 2 3 5 6 7 ALUMINUM BERYLLIUM HOMEOSTASIS METALS -- NUTRITION -- PHYSIOLOGY
PLANT GROWTH
PLANT NUTRITION CADMIUM CHROMIUM PROTEINS COPPER RESPIRATION GOLD -- HEAVY METALS METAL ADHESIVES 2 5 BT ADHESIVES RT LANDING MAT CONSTRUCTION PLASTIC ADHESIVES LEAD LITHIUM MAGNESIUM MANGANESE STRUCTURAL ADHESIVES MERCURY MOLYBDENUM METAL DECK FORMS 3
BT FORMWORK (CONSTRUCTION)
RT BRIDGE DECKS
COMPOSITE CONSTRUCTION NICKEL POTASSIUM RADIUM RARE EARTH ELEMENTS
-- REINFORCING STEELS -- FLOORS METAL FIBERS BT FIBERS RT CRYSTALS SILVER SODIUM -- REINFORCING MATERIALS TANTALUM THORIUM METAL LANDING MATS 2 5 BT LANDING MATS NT ALUMINUM LANDING MA TIN TITANIUM ALUMINUM LANDING MATS MAGNESIUM LANDING MATS TUNGSTEN URANIUM STEEL LANDING MATS ZINC RT ABRASIVES METAL OXIDES ALLOYS -- COMPOSITE MATERIALS use OXIDES -- METAL PIPES METAL PIPES PIPES 1 2 5 CLOSED CONDUITS CONDUITS -- METALLIC MINERALS
-- METALLURGY METALS TESTING PIPES RIGID TUBING METALS TESTING 2 5 RT--METALLURGY --METALS CAST IRON PIPES
COPPER PIPES
CORRUGATED METAL PIPES
STEEL PIPES METAMORPHIC BRECCIA RT- - CORROSTON BRECCIA DRILLED- IN CAISSONS METAMORPHIC ROCKS ROCKS IGNEOUS BRECCIA -- METALS METAL SCRAP SEDIMENTARY BRECCIA ETAL SCHAP 3 UF SCRAP METAL RT HEAVYWEIGHT AGGREGATES METAMORPHIC PETROLOGY 2 3 BT GEOLOGY METALLIC MINERALS 2 NOTE: Minerals with a metallic luster, high specific gravity, and which in general possess PETROLOGY PETROLOGY
PHYSICAL GEOLOGY
GRANITIZATION
HYDROTHERMAL ALTERATION
-- METAMORPHIC ROCKS
METAMORPHISM good conducting properties BT MINERALS NT BAUXITE HEMATITE -- IRON ORES METAMORPHIC ROCKS 2 3 BT ROCKS NT GNEISS MAGNETITE MARBLE METAMORPHIC BRECCIA PYRITE URANINITE RT--HEAVY MINERALS MYLONITE -- METALS SCHIST SLATES TACONITE METALLOGRAPHY 2 6
BT METALLURGY
RT ANISOTROPY
PHOTOELASTIC METHOD RT--CRYSTALLINE ROCKS
FOLIATION (GEOLOGY)
HYDROTHERMAL ALTERATION
-- IGNEOUS ROCKS PHOTOMICROGRAPHY
RADIOGRAPHY
X RAY ANALYSIS
X RAY DIFFRACTION

The state of the s

METEOROLOGICAL INSTRUMENTS
BT MEASURING INSTRUMENTS
NT-- ANEMOMETERS
BAROMETERS METAMORPHIC ROCKS (Con.)
METAMORPHIC PETROLOGY 1 5 6 METAMORPHISM MICAS QUARTZITE
-- SEDIMENTARY ROCKS HOT FILM ANEMOMETERS HOT WIRE ANEMOMETERS RAIN GAGES SNOW GAGES HYGROMETERS HYPSOMETERS METAMORPHISM NOTE: Change in the structure or constitution of a rock due to natural agencies as pressure and -- MEASURING INSTRUMENTS
METEOROLOGICAL SATELLITES r METAMORPHIC PETROLOGY
-- METAMORPHIC ROCKS METEOROLOGY -- METEOROLOGY
PITOT SPHERES
PITOT TUBES
-- PRECIPITATION (METEOROLOGY)
-- RADIATION MEASURING INSTRUMENTS
RADIOSONDES PETROFABRICS METEORIC WATER I EVAPOTRANSPIRATION HYDROLOGIC CYCLE -- RECORDING INSTRUMENTS SNOW SNOW SAMPLES SNOW SURVEYS -- PRECIPITATION (METEOROLOGY)
-- VADOSE WATER SNOWFALL TRANSDUCERS METEORITE CRATERS 2 BT CRATERS IMPACT CRATERS WEATHER STATIONS METEOROLOGICAL OBSERVATIONS 1 5 6
use METEOROLOGICAL DATA RT METEORS AND METEORITES METEORITES 2
use METEORS AND METEORITES METEOROLOGICAL RADAR UF WEATHER RADAR BT RADAR METEOROLOGICAL DATA 1 2 3 5

UF METEOROLOGICAL OBSERVATIONS
WEATHER DATA
BT INFORMATION
RT AIR TEMPERATURE ATMOSPHERE
METEOROLOGICAL DATA
RAIN AND RAINFALL
WEATHER ATMOSPHERE CLIMATOLOGICAL DATA METEOROLOGICAL SATELLITES 1 6
UF SATELLITES (METEOROLOGICAL)
BT SATELLITES (ARTIFICIAL) CLIMATOLOGY -- CONDENSATION DEGREE DAYS ENVIRONMENTAL FACTORS SPACE VEHICLES METEOROLOGICAL INSTRUMENTS METEOROLOGY
WEATHER FORECASTING
WEATHER STATIONS -- EVAPORATION FOG FREEZING INDEX FROST FROST HUMIDITY HYDROLOGIC DATA -- METEOROLOGICAL FACTORS METEOROLOGICAL RADAR METEOROLOGICAL STATIONS
use WEATHER STATIONS METEOROLOGY 1 2 5 6 7

NOTE: Science dealing with the atmosphere and its phenomena NT HYDROMETEOROLOGY RT AIR MASSES

AIR TEMPERATURE ALMANACS

AMPLICATIONES -- METEOROLOGY MICROCLIMATOLOGY -- PRECIPITATION (METEOROLOGY)
RAIN AND RAINFALL SNOW SNOW COVER SNOW COVER SYNOPTIC ANALYSIS -- TABLES (DATA) -- TEMPERATURE TEMPERATURE INVERSIONS ANTICYCLONES ATMOSPHERE ATMOSPHERIC PHYSICS ATMOSPHERIC PRESSURE TERRAIN DATA
TRAFFICABILITY DATA CLIMATOLOGY DISTRIBUTION PATTERNS WEATHER WEATHER MAPS WIND VELOCITY DROUGHTS
-- EVAPORATION FOG FROST METEOROLOGICAL FACTORS 5
NOTE: Specific attributes of the atmosphere that can be described in quantitative terms
BT ENVIRONMENTAL FACTORS HUMIDITY HYDROLOGIC CYCLE -- HYDROLOGY
-- HYDROMETEOROLOGICAL STATIONS - MEASURING INSTRUMENTS
METEOROLOGICAL DATA
- METEOROLOGICAL PACTORS
METEOROLOGICAL INSTRUMENTS
METEOROLOGICAL SATELLITES
MICROCLIMATOLOGY BT ENVIRONMENTAL FA -- PRECIPITATION (METEOROLOGY) SNOW
CLIMATOLOGICAL DATA
DEGREE DAYS
FREEZING INDEX OCEAN CIRCULATION PRECIPITATION (METEOROLOGY) -- RADIATION
RAIN AND RAINFALL
RAINFALL INTENSITY
SIMULATED RAINFALL METEOROLOGICAL DATA METEOROLOGY -- TERRAIN FACTORS
VISIBILITY SNOW SOLAR RADIATION WEATHER SYNOPTIC ANALYSIS

METEOROLOGY (Con.)

--TEMPERATURE

WEATHER

WEATHER FORECASTING

--WEATHER MODIFICATION

WEATHER STATIONS

WIND (METEOROLOGY)

METEORS AND METEORITES 2

UF METEORITES

RT METEORITE CHATERS

TEKTITES

METERING (MEASUREMENT) 1 6

METERS 1 2 3 4 5 6 7 use MEASURING INSTRUMENTS

METHANE 7
NOTE: Colorless, nonpoisonous
and flammable gaseous hydrocarbon;
methane is emitted by marshes and
by dumps undergoing anaerobic
decomposition
BT GASES
HYDROCARBONS
RT MINES (EXCAVATIONS)

METHOD OF SLICES 2 use SLICES METHOD

METRIC SYSTEM 1 2 3 4 5 6 7 RT-- MEASUREMENT WEIGHTS AND MEASURES

METROLOGY 6
RT--MEASURING INSTRUMENTS
--MEASUREMENT

MICACEOUS SOILS 2 RT MICAS -- SANDS

MICAS 2 3
BT MINERALS
SILICATE MINERALS
RT CHLORITES
--CLAY MINERALS
FELDSPARS
HEAT RESISTANT MATERIALS
--IGNEOUS ROCKS
--METAMORPHIC ROCKS
MICACEOUS SOILS
VERMICULITE

MICHOANALYSIS 3 6
BT CHEMICAL ANALYSIS
CHEMICAL TESTS
FT COLORIMETRIC ANALYSIS
FLAME PHOTOMETRY
NEUTFON ACTIVATION ANALYSIS
QUANTITATIVE ANALYSIS
SPECTROCHEMICAL ANALYSIS
SPECTROSCOPIC ANALYSIS

MICROBAROMETRIC WAVES BT MECHANICAL WAVES WAVES

NEMATODES

MICROBIOLOGY 7
NOTE: Study of very small living matter and its processes
NT AQUATIC MICROBIOLOGY
BACTERIOLOGY
SOIL MICROBIOLOGY
RT-BACTERIA
BIOLOGY
CULTURES
-- FUNGI
-- MICROBROANISMS

MICROCLIMATOLOGY 1 2 6 7
NOTE: Study of the local climatic conditions of a small area
BT CLIMATOLOGY
RT METEOROLOGICAL DATA
METEOROLOGY
MICROENVIRONMENT

MICROCRACKING (CONCRETE) 3
RT--CONCRETE CRACKING
CONCRETE CRAZING
CONCRETE STRUCTURES FAILURE

MICROENVIRONMENT 7
NOTE: Small or restricted set of distinctive environmental conditions
BT ENVIRONMENTS
RT AIR TEMPERATURE
AIR-EARTH INTERFACES
AIR-WATER INTERFACES
CANOPY
COMPETITION
-- EARTH-WATER INTERFACES
-- ENVIRONMENTAL EFFECTS
EVAPORATION
HUMIDITY
-- INTERFACES
MICROCLIMATOLOGY
PHOTOPERIODISM
-- TRANSPIRATION
-- WATER POLLUTION
WATER POLLUTION
WATER TEMPERATURE

MICHOFICHE 6
use MICROFILM

MICROPILM 6
BT MICROPORMS
RT DATA STORAGE
MICROPHOTOGRAPHY
--PHOTOGRAPHIC EQUIPMENT
REPRODUCTION (COPYING)

MICROFISSURATION 2 3 4
use GRANULATION
ROCK FRACTURE

MICROFORMS 6
MICROFILM
RT DATA STORAGE
SLIDES (PROJECTION)

MICHOGEMETRY 5
NOTE: Aplicable to ground surface shapes
UF GROUND ROUGHNESS
MICHORELIEF
SURFACE MICHOGEOMETRY
SURFACE ROUGHNESS (TERRAIN)
TERRAIN ROUGHNESS
BT GEOMETRY
SURFACE GEOMETRY
SURFACE GEOMETRY
BOULDERS
BULDERS

TY APPROACH GEOMETRY
BOULDERS
DEPARTURE GEOMETRY
FOURTER ANALYSIS
MICROGEOMETRY CLASSIFICATION
MICROGEOMETRY MAPPING
-- OBSTACLES
PROFILOMETERS
RIDE DYNAMICS

PROFILOMETERS
RIDE DYNAMICS
-- ROUGHNESS
-- TERRAIN FACTORS

MICROGEOMETRY CLASSIFICATION 5
BT CLASSIFICATIONS
TERRAIN CLASSIFICATION
RT MICROGEOMETRY
MICROGEOMETRY MAPPING
SURFACE GEOMETRY CLASSIFICATION

MICROGEOMETRY MAPPING 5
BT MAPPING
TERRAIN MAPPING
RT MICROGEOMETRY
MICROGEOMETRY CLASSIFICATION
SURPACE GEOMETRY MAPPING
TERRAIN FACTOR MAPS
TOPOGRAPHIC MAPS

MICROHARDNESS MICROSEISMIC WAVES use MICROSEISMS HARDNESS MECHANICAL PROPERTIES MICROSEISMS 2 4 HOSEISMS 2 4

OTE: Feeble earth tremors,
detected only by means of specially constructed apparatus

MICROSEISMIC WAVES

MECHANICAL WAVES
SEISMIC WAVES
WAVES MICROMETERS BT MEASURING INSTRUMENTS MICROORGANISMS CROORGANISMS 7
NOTE: Organisms that are microscopic in size, e.g., bacteria, protozoa UF MICROFAUNA MICROFLORA WAVES RT EARTHQUAKES
-- GROUND MOTION
SEISMOGRAPHS NT ACTINOMYCETES AEROBIC BACTERIA -- ANAEROBIC BACTERIA -- AQUATIC BACTERIA -- AQUATIC MICROORGANISMS SEISMOLOGY SEISMOMETERS -- UNDERGROUND EXPLOSIONS COLIFORMS DINOFLAGELLATES ENTERIC BACTERIA MICROSTRUCTURE ICROSTRUCTURE 2 3
NOTE: Structural feature of rocks
that can be discerned only with
the aid of the microscope
RT CRYSTALLOGRAPHY
--HARDENING (MATERIALS)
LITHOLOGY
MICRORADIOGRAPHY
--MICROSCOPY MARINE BACTERIA NANNOPLANKTON PATHOGENIC BACTERIA PATHOGENIC FUNGI PERIPHYTON PHOTOSYNTHETIC BACTERIA -- PROTOZOA ROTIFERS -- MINERALOGY SOIL ALGAE SOIL BACTERIA PETROPABRICS -- PETROGRAPHY SOIL FUNGI SOIL MICROORGANISMS -- PETROLOGY ROCK ANALYSIS SOIL MICROMORPHOLOGY RT-- ALGAE -- BACTERIA BIOLOGY MICROTHESAURI BIOTA -- MICROBIOLOGY MICROWAVE OVENS -- PLANTS (BOTANY) MICROWAVE SPECTRA 1 3 5 6 7 MICROPALEONTOLOGY use MICROWAVES BT PALEONTOLOGY RT PALEOBOTANY PALEOECOLOGY MICROWAVES 1 3 5 6 7 NOTE: Very short electromagnetic PALEOZOOLOGY waves WAVES
UF MICROWAVE SPECTRA
BT ELECTROMAGNETIC RADIATION
RADIO WAVES MICROPHOTOGRAPHY BT PHOTOGRAPHY RT DATA STORAGE WAVES MICROPILM INFRARED RAYS -- PHOTOGRAPHIC EQUIPMENT MASERS RADAR SIGNALS MICRORADIOGRAPHY 2 BT RADIOGRAPHY RT CRYSTALLOGRAPHY 2 3 -- RADIATION TELEMETRY SYSTEMS -- MICROSCOPY MIGRATION MICROSTRUCTURE NOTE: Regular movement from one region to another RT ANIMAL BEHAVIOR PHOTOMICROGRAPHY SOIL MICROBIOLOGY SOIL MICROMORPHOLOGY -- BIRDS DISTRIBUTION PATTERNS MICRORELIEF 5
use MICROGEOMETRY -- ECOLOGY -- ENVIRONMENTAL EFFECTS FISHERIES -- FISHES NT ELECTRON MICROSCOPES
OPTICAL MICROSCOPES FLYWAYS LIFE CYCLES PHENOLOGY RT-- MICROSCOPY
-- OPTICAL INSTRUMENTS
PHOTOMICROGRAPHY -- PLANTS (BOTANY)
-- POPULATIONS -- SUCCESSION MICROSCOPY ELECTRON MICROSCOPY MILDEW 7 use FUNGI CRYSTALLOGRAPHY MICRORADIOGRAPHY MILITARY AIRCRAFT 2 4 5 6

UF ARMY AIRCRAFT
MILITARY PLANES
BT AIRCRAFT
FIGHTER AIRCRAFT
FIGHTER AIRCRAFT
PATROL AIRCRAFT
RECONNAISSANCE AIRCRAFT
AIR CUSHION VEHICLES
AIRCRAFT SHELTERS
AMPHIBIOUS AIRCRAFT
CARGO AIRCRAFT -- MICROSCOPES MICROSTRUCTURE PETROGRAPHIC ANALYSIS PETROGRAPHY PHOTOMICHOGRAPHY ROCK ANALYSIS SOIL MICROBIOLOGY SOIL MICROMORPHOLOGY

MILITARY AIRCRAFT (Con.)
CONVENTIONAL WEAPONS CONVERTIBLE AIRCRAFT FLYING PLATFORMS GLIDERS GROUND EFFECT MACHINES GROUND EFFECT MACHINES
HELICOPTERS
HYPERSONIC AIRCRAFT
JET AIRCRAFT
MILITARY TRANSPORTATION
RESEARCH AIRCRAFT
ROCKET PLANES
SHORT TAKEOFF AND LANDING
AIRCRAFT
SUBERSONIC AIRCRAFT AIRCRAFT
SUPERSONIC AIRCRAFT
TRAINING AIRCRAFT
-- TRANSPORT AIRCRAFT
UTILITY AIRCRAFT
VERTICAL TAKEOFF AND LANDING
AIRCRAFT
FERDON SYSTEMS WEAPON SYSTEMS -- WEAPONS MILITARY BASES 4 5
UF MILITARY RESERVATIONS
BT MILITARY FACILITIES
RT MILITARY DEPOTS
REFERENCE TEST AREAS MILITARY BRIDGES 2 3 4 5 LITTARY BRIDGES
BT BRIDGES
NT BAILEY BRIDGES
RT EXPEDIENT CONSTRUCTION
MILITARY ENGINEERING
PONTOON BRIDGES
TRUSS BRIDGES MILITARY CHEMICAL OPERATIONS
USE CHEMICAL WARFARE MILITARY DEPOTS 4
UF DEPOTS (MILITARY)
BT MILITARY PACILITIES
RT--MILITARY BASES MILITARY ENGINEERING 1 RT AERIAL PHOTOGRAPHY AERIAL SURVEYS 1 2 4 5 6 - BRIDGES
- CIVIL ENGINEERING
COAST DEPENSES (MILITARY)
- CONSTRUCTION -- DESIGN
-- EXPEDIENT CONSTRUCTION
-- EXPLOSION EFFECTS
-- PORTIFICATIONS GEODETIC SURVEYS HARDENED INSTALLATIONS HARDENED INSTALLATIONS

- MAPPING

- MILITARY BRIDGES

- MILITARY OPERATIONS
MILITARY ROADS
MILITARY TRANSPORTATION
MISSILE FACILITY CONSTRUCTION
ROAD ENGINEERING ROADS -- SHELTERS -- SURVEYING SYSTEMS ENGINEERING TERRAIN ANALYSIS MILITARY EQUIPMENT 4 5 6
NOTE: Exclusive of military
vehicles
RT AIRBORNE EQUIPMENT
--CONSTRUCTION EQUIPMENT
GROUND SUPPORT EQUIPMENT
-- MEASURING INSTRUMENTS
MILITARY TRANSPORTATION
MINE CLEARING ROLLERS MILITARY FACILITIES

UF NAVAL PACILITIES NT PIELD FORTIFICATIONS -- PORTIFICATIONS

MILITARY FACILITIES (Con.)
HARDENED INSTALLATIONS
--MILITARY BASES
MILITARY DEPOTS MILITARY DEPOTS
MISSILE BASES
MISSILE FACILITIES
MISSILE LAUNCHING SITES
T GROUND SUPPORT EQUIPMENT
--HARBOR FACILITIES
-- LAUNCHING SITES MILITARY STRUCTURES
-- TERMINAL FACILITIES UNDERGROUND FACILITIES MILITARY GEOGRAPHIC INTELLIGENCE ILITARY GEOGRAPHIC INTELLIGENCE 5
NOTE: Geographical factors, both
cultural and natural, that affect
a military situation
BT INTELLIGENCE
RT AERIAL PHOTOGRAPHY
AERIAL SURVEYS
AIRPHOTO INTERPRETATION
BORDER SECURITY
CAMOUFLAGE
ENGINEERING INTELLIGENCE CAMOUFLAGE
ENGINEERING INTELLIGENCE
-- ENVIRONMENTAL ANALYSIS
INFORMATION SYSTEMS
MILITARY GEOGRAPHY
-- MILITARY OPERATIONS
-- RECONNAISSANCE REGIONS REMOTE SENSING TERRAIN ANALYSIS TUNNEL DETECTION MILITARY GEOGRAPHY BT GEOGRAPHY
RT MILITARY GEOGRAPHIC INTELLIGENCE
MILITARY OPERATIONS
MILITARY ROADS MILITARY GEOLOGY MOTE: Application of geological facts and principles to the solution of military problems BT GEOLOGY RT AERIAL PHOTOGRAPHY AERIAL PHOTOGRAPHY ENGINEERING GEOLOGY PHOTOGEOLOGY TERRAIN ANALYSIS TOPOGRAPHIC MAPS MILITARY OPERATIONS 4 5
NT AIRMOBILE OPERATIONS
MINE CLEARING
RT BARE BASE SUPPORT BARE BASE SUPPORT
BIOLOGICAL WARFARE
BORDER SECURITY
CAMOUFLAGE
CBR WARFARE
CHEMICAL WARFARE
COLD WEATHER OPERATIONS COLD WEATHER OPERATIONS
CONSTRUCTION
ENVIRONMENTAL MODELS
(ANALYTICAL)
EXPEDIENT CONSTRUCTION
EXPLOSION EFFECTS
GROUND SUPPORT EQUIPMENT
INTELLIGENCE
LOGISTICS LOGISTICS MILITARY ENGINEERING
MILITARY GEOGRAPHIC INTELLIGENCE
MILITARY GEOGRAPHY
MILITARY TRANSPORTATION
-- MILITARY VEHICLES -- MOBILITY MUNITION EFFECTIVENESS OPERATIONS RESEARCH PROJECTILES
RADIOLOGICAL WARFARE RECONNAISSANCE ROAD CAPABILITY MODELS ROAD CAPABILITY MODELS
SECURITY
SEISMIC INVESTIGATIONS
SYNTHALOGOUS ENVIRONMENT
TERRAIN MODELS (ANALYTICAL)
TUNNEL DETECTION
VEGETATION CLEARING VEHICLE SIGNATURE VISABILITY

MILITARY PLANES MINE BURSTS use MILITARY AIRCRAFT use ROCK BURSTS MILITARY POSTS 6 MINE COUNTERMEASURES 4
BT COUNTERMEASURES
RT DEMOLITION CHARGES
-- MINE DETECTORS MILITARY RESEARCH RT MILITARY SCIENCE MILITARY RESERVATIONS
USE MILITARY BASES MINE CLEARING 5
BT CLEARING 5
MILITARY OPERATIONS
RT MINE CLEARING HOLLERS MILITARY ROADS 2 5 6 BT ROADS RT BRIQUETS EXPEDIENT CONSTRUCTION EXPEDIENT SURFACINGS MINE CLEARING ROLLERS EXPEDIENT SURFACINGS
LOGISTICS
MILITARY ENGINEERING
MILITARY GEOGRAPHY
RAPID ROAD CONSTRUCTION
ROAD CAPABILITY MODELS
TRAFFICABILITY
UNSURFACED ROADS MILITARY SCIENCE 6
RT CAMOUFLAGE
MILITARY RESEARCH MILITARY STRUCTURES 4 RT--MILITARY FACILITIES MILITARY SUPPORT VEHICLES USE MILITARY VEHICLES 5 6 MILITARY TRANSPORTATION
BT TRANSPORTATION
RT--MILITARY AIRCRAFT
MILITARY ENGINEERING
MILITARY EQUIPMENT
MILITARY OPERATIONS
--MILITARY VEHICLES MILITARY VEHICLES 5 6
NOTE: Limited to ground vehicles
UF MILITARY SUPPORT VEHICLES
NT-COMBAT VEHICLES
GOER VEHICLES
PERSONNEL CARRIERS
SELF PROPELLED ARTILLERY
TANKS (COMBAT VEHICLES)
-- WEAPON CARRIERS
RT AIR CUSHION VEHICLES
AIROLL VEHICLES
AMBULANCES
-- AMPHIBIOUS VEHICLES
-- ARTICULATED VEHICLES
AUTOMOBILES
-- CARGO VEHICLES
ELECTRIC VEHICLES
FORK LIFT TRUCKS
GROUND SUPPORT EQUIPMENT GROUND SUPPORT EQUIPMENT - LIGHT UTILITY VEHICLES
MAINTENANCE VEHICLES
- MILITARY OPERATIONS
MILITARY TRANSPORTATION MILITARY TRANSPORTATION
MINE CLEARING ROLLERS
OFF-ROAD MOBILITY
OFF-ROAD WEHICLES
ON-ROAD MOBILITY
OVERLAND TRAIN
RECONNAISSANCE VEHICLES
RECOVERY VEHICLES
- ROAD VEHICLES
- SELF PROPELLED VEHICLES
- SNOW VEHICLES
TANK TRUCKS
- TOWED VEHICLES
TOWING VEHICLES
TRACKED VEHICLES
TRACKED VEHICLES
TRACKED VEHICLES TRAILERS -- TRUCKS
-- UNCONVENTIONAL VEHICLES
UTILITY CARRIERS
-- WHEELED VEHICLES

MILLING (COMMINUTION)
use COMMINUTION

3 4 7

BT ROLLERS
RT MILITARY EQUIPMENT
-- MILITARY VEHICLES
MINE CLEARING -- OFF- ROAD VEHICLES MINE DETECTORS
BT DETECTORS 4 DETECTORS
OFDMANCE DETECTORS
ACOUSTIC MINE DETECTORS
MAGNETIC MINE DETECTORS
LAND MINE DETECTION
MINE COUNTERWEASURES
UNDERWATER OBJECT LOCATORS MINE DRAINAGE NE DRAINAGE 1 7
NOTE: Gravity flow of water to
a point remote from mining operations
UF ACID MINE DRAINAGE
RT ACID MINE WATER
MINE WASTES MINE WASTES
--MINE WATERS
MINES (EXCAVATIONS)
--MINING
MINING ENGINEERING MINE SHAFTS use SHAFTS (EXCAVATIONS) MINE WASTES 7 BT INDUSTRIAL WASTES AEROBIC BACTERIA CHEMICAL WASTES MINE DRAINAGE
--MINE WATERS
MINES (EXCAVATIONS)
--MINING MUCK OPEN PIT MINING -- SPOIL WATER POLLUTION SOURCES MINE WATERS 1 7
BT WATER
NT ACID MINE WATER
RT BRACKISH WATER
DEWATERING MINE DRAINAGE MINE WASTES MINES (EXCAVATIONS)
-- MINING WASTE WATER WATER POLLUTION SOURCES MINEFIELDS ANTITANK MINES LAND MINE WARFARE LAND MINES MINE COUNTERMEASURES MINERAL ADMIXTURES BT ADMIXTURES RT--CONCRETE ADMIXTURES FLY ASH -- POZZOLANS SILICA FLOUR MINERAL DEPOSITS 1 2 3
UF ORE DEPOSITS
BT GEOLOGICAL DEPOSITS
SUBSTRATUM DEPOSITS

MINEFIELDS

MINERAL DEPOSITS (Con RT DEPOSITION -- ECONOMIC GEOLOGY -- GEOLOGY MINERAL MAPS -- MINERALOGY (Con.) MINERALOGY (Con.) ERALOGY (Con.)
-- PETROLOGY
-- PHYSICAL GEOLOGY
RECRYSTALLIZATION
ROCK ANALYSIS
ROCK MECHANICS
-- SOIL SCIENCE
SPECTROSCOPIC ANALYSIS
Y DAY ANALYSIS -- MINERALS MINES (EXCAVATIONS) -- MINING GEOLOGY
-- NATURAL RESOURCES X RAY ANALYSIS NERALS 2 3 NT ALLOPHANES AMPHIBOLES MINERALS -- ROCKS -- SEDIMENTARY ROCKS MINERAL INDUSTRIES 2 RT MINERAL MAPS MINERAL RESOURCES -- MINERALOGY ARTIFICIAL CORUNDUM ATTAPULGITE BARITE BAUXITE -- MINERALS MINING ENGINEERING CARBONATE MINERALS CHLORITES -- CLAY MINERALS DIAMONDS MINERAL FILLERS 3 5 BT FILLERS RT-- AGGREGATES FELDSPARS
-- GEM MINERALS BITUMINOUS CONCRETES GYPSUM HALLOYSITE MINERAL MAPS 2
BT MAPS
RT--ECONOMIC GEOLOGY
MINERAL DEPOSITS
MINERAL INDUSTRIES
MINERAL RESOURCES HEAVY MINERALS HEMATITE ILLITE INDUSTRIAL MINERALS KAOLINITE MAGNETITE -- MINERALOGY
-- MINERALS
OIL AND GAS MAPS METALLIC MINERALS MICAS MONTMORILLONITE OLIVINE MINERAL RESOURCES 2 3
BT NATURAL RESOURCES
RT--ECONOMIC GEOLOGY
-- GEOLOGY OPAL PYRITE PYROXENES QUARTZ MINERAL INDUSTRIES MINERAL MAPS -- RADIOACTIVE MINERALS -- RUBIES -- MINERALOGY
-- MINERALS -- HUBLES
SERPENTINE
-- SILICA MINERALS
-- SILICATE MINERALS
-- SYNTHETIC MINERALS
SYNTHETIC RUBIES
TALC MINERAL WATERS 1 2 BT WATER RT ARTESIAN WATER TALC
TOBERMORITE
URANINITE
VERMICULITE
CRYSTALLOGRAPHY -- MINERALS SALT WATER -- SPRINGS (WATER) THERMAL WATERS MINERAL WOOL CRYSTALS -- GEOLOGY BT FIBERS
NT ROCK WOOL
RT GLASS FIBERS
--SYNTHETIC FIBERS MINERAL DEPOSITS
MINERAL INDUSTRIES
MINERAL MAPS
MINERAL RESOURCES
MINERAL WATERS
-MINERAL LOGY INERALOGY 1 2 3
NOTE: Study of the origin and
nature of minerals
NT CLAY MINERALOGY
-- SOIL MINERALOGY
RT ATOMIC BONDS
-- CHEMICAL ANALYSIS
-- CLAY MINERALS
CRYSTALLOGRAPHY
CRYSTALS MINERALOGY MINES (EXCAVATIONS)
-MINING
MINING ENGINEERING
MINING GEOLOGY -- NONMETALS -- PHYSICAL GEOLOGY -- ROCKS CRYSTALS MINES (EXCAVATIONS) 2 4 7
NT QUARRIES
RT ACID MINE WATER
ADITS
-- DRILLING DIFFERENTIAL THERMAL ANALYSIS GEOCHEMISTRY GEOLOGICAL DEPOSITS -- GEOLOGY LITHOLOGY -- DRILLING
-- EXCAVATION
-- EXPLORATION
-- EXPLOSIVE EXCAVATION
GROUND STRESSES
METHANE
HIME DRAINAGE MICROSTRUCTURE
MINERAL DEPOSITS
MINERAL INDUSTRIES
MINERAL MAPS
MINERAL RESOURCES
MINERALS
MINERALS METHANE
MINE DRAINAGE
MINE WASTES
--MINE WATERS
MINERAL DEPOSITS
--MINERALS MINING GEOLOGY
PETROFABRICS
PETROGRAPHIC ANALYSIS PETROGRAPHY PETROLEUM GEOLOGY MINING MINING ENGINEERING

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MINING ENGINEERING (Con.)
-- GEOPHYSICAL EXPLORATION
INDUSTRIAL ENGINEERING
MINE DRAINAGE
MINERAL INDUSTRIES MINES (EXCAVATIONS) MINING GEOLOGY ROCK BLASTING ROCK BURSTS ROCK MASSES ROCK MECHANICS -- MINERALS
-- MINES (EXCAVATIONS)
-- MINING MINING GEOLOGY -- ROCKS SAFETY SHAFTS (EXCAVATIONS) SHORING OPEN PIT MINING PETROLEUM ENGINEERING -- SPOIL SUBSIDENCE -- PETROLOGY ROCK MECHANICS SAFETY
SAFETY ENGINEERING
-- SOIL MECHANICS
SUBSIDENCE TIMBER CONSTRUCTION TRENCHES TUNNEL CONSTRUCTION
-- TUNNELS -- SURVEYING
TUNNEL CONSTRUCTION
TUNNEL DESIGN
UNDERGROUND OPENINGS -- UNDERGROUND EXPLOSIONS UNDERGROUND OPENINGS UNDERGROUND STORAGE -- UNDERGROUND STRUCTURES WASTE DISPOSAL MINING GEOLOGY 2
BT ECONOMIC GEOLOGY
GEOLOGY MINES (ORDNANCE) 4
NT AERIAL MINES
ANTITANK MINES GEOLOGY
RT ENGINEERING GEOLOGY
GEOCHEMISTRY
-- GEOPHYSICAL EXPLORATION
MINERAL DEPOSITS
-- MINERALOGY
-- MINERALS
-- MINES (EXCAVATIONS)
-- MINING
MINING ENGINEERING LAND MINES AMMUNITION CONVENTIONAL WEAPONS -- EXPLOSIVES MUNITION BURSTS MUNITIONS MUNITIONS INDUSTRY MINING ENGINEERING
-- ORGANIC DEPOSITS -- MUNITIONS STORAGE -- ORDNANCE STRATIGRAPHY -- WEA PONS MINING SUBSIDENCE use SUBSIDENCE MINIMUM DENSITY 2
RT MAXIMUM DRY DENSITY
RELATIVE DENSITY DETERMINATION MINNOWS OWS 7 AQUATIC ANIMALS MINING 2 4 7
NT COAL MINING
MARINE MINING
-- OPEN PIT MINING FISHES FRESH WATER FISHES VERTEBRATES RT CARP QUARRYING QUARRYING
RT-- BLASTING
-- DRILLING
-- EXCAVATION
-- EXPLORATION
GROUND STRESSES
-- INDUSTRIAL WASTES
MECHANICAL BORERS
HTML LASTES MIOCENE EPOCH 2 BT TERTIARY PERIOD MISSILE BASES 2 4
use MISSILE FACILITIES MISSILE COUNTERMEASURES
BT COUNTERMEASURES
RT MISSILE DETECTION MECHANICAL BORERS
MINE WASTES
--MINE WATERS
MINERAL DEPOSITS
--MINES (EXCAVATIONS)
MINING SENDINGERING
MINING GEOLOGY
ROCK MASSES
ROCK MECHANICS
--ROCKS
--ROCKS MISSILE DEFENSE 4
RT HARDENING (SYSTEMS)
MISSILE FACILITIES
-- MISSILES MISSILE DETECTION BT DETECTION
RT MISSILE COUNTERMEASURES
NUCLEAR EXPLOSION DETECTION
RADAR DETECTION -- ROCKS SHAFTS (EXCAVATIONS) SHORING SHORING
--SPOIL
STRIP MINING
SUBSIDENCE
--SURFACE MINING
TAILINGS
TAILINGS DISPOSAL
TIMBER CONSTRUCTION
TIMBERS
--TUNNEL CONSTRUCTION
--TUNNELS MISSILE PACILITIES 2 4

UF MISSILE BASES
MISSILE SITES (COMPLEXES)
BT MILITARY PACILITIES
RT GROUND SUPPORT EQUIPMENT
HARDENED INSTALLATIONS
LAUNCHING BASES
LAUNCHING PADS
LAUNCHING SITES
MISSILE DEFENSE
MISSILE PACILITY CONSTRUCTION
MISSILE PACILITY DESIGN
MISSILE PACILITY DESIGN
MISSILE PACILITY SITE SELECTION
MISSILE FACILITY SITE SELECTION
MISSILE SILOS
--MISSILES -- TUNNELS UNDERGROUND OPENINGS MINING ENGINEERING 2 4 6 7 HT-BLASTING
--CIVIL ENGINEERING
COAL MINING
--ECONOMIC GEOLOGY
ENGINEERING GEOLOGY -- UNDERGROUND STRUCTURES -- EXPLORATION

MISSILE TRAJECTORIES MISSILE FACILITY CONSTRUCTION 2 4 T CONSTRUCTION
T MILITARY ENGINEERING
MISSILE FACILITIES
MISSILE FACILITY DESIGN
MISSILE FACILITY SITE SELECTION
-- UNDERGROUND CONSTRUCTION TRAJECTORIES
BALLISTIC TRAJECTORIES
IMPACT PREDICTION -- MISSILES ROCKET TRAJECTORIES MISSILE WARHEADS BT WARHEADS RT HIGH EXPLOSIVE WARHEADS NUCLEAR WARHEADS MISSILE FACILITY DESIGN BT DESIGN RT CIVIL DEFENSE CIVIL DEFENSE
LAUNCHING PADS
LAUNCHING SITES
MISSILE FACILITIES
MISSILE FACILITY CONSTRUCTION
MISSILE FACILITY PERPORMANCE
MISSILE FACILITY SITE SELECTION
MISSILE LAUNCHING SITES
MISSILE SILOS NUCLEAR WARHEADS

ILES 4 6

BALLISTIC MISSILES
GUIDED MISSILES
SUBMARINE LAUNCHED MISSILES
ARTILLERY ROCKETS
ATOMIC DEMOLITION MUNITIONS
STORAGE
BOMBS (ORDNANCE)
CONVENTIONAL WEAPONS
GROUND SUPPORT EQUIPMENT
- INCENDIARY AMMUNITION
MISSILE DEFENSE
MISSILE DEFENSE
MISSILE LAUNCHERS
MISSILE LAUNCHING SITES
MISSILE LAUNCHING SITES
MISSILE SILOS
MISSILE TRAJECTORIES
- MUNITIONS MISSILES UNDERGROUND STRUCTURE DESIGN MISSILE FACILITY PERFORMANCE 2 4
RT MISSILE FACILITIES
MISSILE FACILITY DESIGN
MISSILE LAUNCHING
MISSILE SILOS MISSILE FACILITY SITE SELECTION BT SITE SELECTION RT LAUNCHING SITES MISSILE TRAJECTORIE

- MUNITIONS
MUNITIONS INDUSTRY

- MUNITIONS STORAGE

- NUCLEAR WEAPONS
- ORDNANCE
ROCKET PROPELLANTS MISSILE FACILITIES
MISSILE FACILITY CONSTRUCTION
MISSILE FACILITY DESIGN MISSILE LAUNCHERS BT LAUNCHERS
RT GROUND SUPPORT EQUIPMENT
GUN LAUNCHERS
LAUNCHING TORPEDOES UNDERWATER ROCKETS
-- WARHEADS MISSILE LAUNCHING SITES MISSILE SILOS WEAPON SYSTEMS - MISSILES ROCKET LAUNCHERS MISSISSIPPIAN PERIOD NOTE: European equivalent is Lower Carboniferous Period BT CARBONIFEROUS PERIOD MISSILE LAUNCHING 2 4 BT LAUNCHING RT LAUNCHING PADS LAUNCHING SITES
MISSILE FACILITY PERFORMANCE
ROCKET LAUNCHING PALEOZOIC ERA IST 1 7 NOTE: Water in the form of par-ticles suspended in the atmos-phere at or near the surface MISSILE LAUNCHING SITES 2 A
BT LAUNCHING SITES
MILITARY PACILITIES
RT HARDENED INSTALLATIONS
MISSILE FACILITIES
MISSILE FACILITY DESIGN
MISSILE LAUNCHERS
MISSILE SILOS of the earth RT AEROSOLS -- FOG HUMIDITY MIST IRRIGATION PARTICULATES
-- PRECIPITATION (METEOROLOGY)
RAIN AND RAINFALL
WATER VAPOR -- MISSILES MISSILE RANGES 4 6 RT BALLISTIC RANGES -- MISSILES MIST IRRIGATION 1
BT IRRIGATION
IRRIGATION SYSTEMS PROVING GROUNDS MISSILE SILOS 2 4
UF SILOS (MISSILE)
BT UNDERGROUND STRUCTURES
RT HARDENED INSTALLATIONS
MISSILE PACILITIES
MISSILE FACILITY DESIGN
MISSILE FACILITY PERFORMANCE
MISSILE LAUNCHERS
MISSILE LAUNCHING SITES
--MISSILES MIST SPRAYS MITER BENDS use CONDUIT BENDS PIPE BENDS MITER GATES HYDRAULIC GATES LOCK GATES GATE SEALS LOCKS (WATERWAYS) -- MISSILES
-- PROTECTIVE STRUCTURES ROCKET LAUNCHING
UNDERGROUND CONSTRUCTION
UNDERGROUND OPENINGS
UNDERGROUND STRUCTURE DESIGN MIX DESIGN (CONCRETE) 3
use CONCRETE MIXTURES MISSILE SITES (COMPLEXES)
use MISSILE FACILITIES MIX PROPORTIONING (CONCRETE)
use CONCRETE MIXTURES 2 4 PROPORTIONING (CONCRETE)

The second secon

MIX WATER (CONCRETE) BILITY (Con.)
RT CRITICAL LAYER
-- FIELD TESTS MOBILITY RT CONCRETE MIXING -- WATER GROUND FLOTATION HUMAN LOCOMOTION MIXED FLOW PUMPS 1 RT CENTRIFUGAL PUMPS
DERIAZ PUMP TURBINES
PUMPING STATIONS -- MILITARY OPERATIONS
MOBILITY MODELS
MOBILITY NUMBERS
MOBILITY RESEARCH LABORATORIES - OBSTACLES
OFF- ROAD MOBILITY MAPS
ONE- PASS PERFORMANCE
- TRAFFICABILITY
VEHICLE CLASSES
- VEHICLE PERFORMANCE -- ROTARY PUMPS MIXED-FLOW TURBINES 1 BT HYDRAULIC TURBINES REACTION TURBINES
DERIAZ TURBINES
PRANCIS TURBINES
AMERICAN TURBINES VEHICLE SPEED MOBILITY MODELS 5
UF CROSS-COUNTRY MOBILITY MODELS
OFF-ROAD MOBILITY MODELS
BT MATHEMATICAL MODELS S 1 2 3 5
CONCRETE MIXERS
SOIL MIXERS
TRANSIT MIXERS
AGGREGATE BLENDING MIXERS MODELS RT COMPUTERIZED MODELS CENTRIPUGES
CONCRETE MIXING PLANTS
-- CONSTRUCTION EQUIPMENT
-- GRINDING MILLS - MOBILITY
OFF- ROAD MOBILITY
PERFORMANCE PREDICTIONS
- PREDICTIONS -- MIXING
MORTARS (EQUIPMENT)
READY MIXED CONCRETE
ROAD CONSTRUCTION SIMILITUDE -- SIMULATION SYSTEMS ANALYSIS
TERRAIN MODELS (ANALYTICAL)
TRAFFICABILITY PREDICTION SOIL BLENDING TRUCKS MOBILITY NUMBERS 5
UF NUMERICS (MOBILITY)
RT DIMENSIONAL ANALYSIS
--MOBILITY MIXING XING 1 3 NT--BLENDING CONCRETE MIXING RT AERATION CIRCULATION -- NUMERICAL ANALYSIS OFF ROAD MOBILITY COLLOIDS -- PREDICTIONS
-- SIMULATION -- DIFFUSION EDDIES TIRE PERFORMANCE TRACK PERFORMANCE ENTRAINMENT
GRINDING (COMMINUTION) MOBILITY RESEARCH LABORATORIES JET DIFFUSION MIXERS BT LABORATORIES RT--MOBILITY MIXING TIME (CONCRETE)
ROTATIONAL FLOW -- TRAFFICABILITY SLURRIES MODEL BASINS 1 UF TOWING TANKS RT SHIP MODELS SOLUBILITY TURBULENCE MIXING PLANTS (CONCRETE) 3 USE CONCRETE MIXING PLANTS MODEL BED MATERIALS 1
use BED MATERIALS (MODELS) MIXING TIME (CONCRETE) MODEL CONSTRUCTION RT CONCRETE MIXING CONCRETE MIXTURES BT CONSTRUCTION RT-- MODELS MODEL DESIGN MIXTURE PROPORTIONING (CONCRETE)
use CONCRETE MIXTURES
PROPORTIONING (CONCRETE) NOTE: Design of models BT DESIGN RT-- MODELS MOBILE BREAKWATERS 1
BT BREAKWATERS
RT DETACHED BREAKWATERS
FLOATING BREAKWATERS
HYDRAULIC BREAKWATERS
PNEUMATIC BREAKWATERS MODEL PILE LOAD TESTS 2
BT LOAD TESTS (FOUNDATIONS)
MODEL TESTS
PILE LOAD TESTS
SOIL TESTS (LABORATORY)
RT-PILE BEARING CAPACITY
PILE FOUNDATION DESIGN
PILE GROUPS use FIELD LABORATORIES 1 2 3 5 6 MOBILE LABORATORIES MODEL STUDIES 1 2 use MODEL TESTS MOBILITY 5
NOTE: Limited to mobility of ground vehicles
UF GROUND MOBILITY
LAND LOCOMOTION
LOCOMOTION
VEHICLE LOCOMOTION
VEHICLE MOBILITY
OFF-ROAD MOBILITY
ON-ROAD MOBILITY MODEL TESTS 1 2
UF MODEL STUDIES
NT MODEL PILE LOAD TESTS
RT ANALOG MODELS
HYDRAULIC SIMILITUDE PHOTOELASTICITY PROTOTYPE TESTS
SHAKE TABLE TESTS
SIMILITUDE

SIMULATION

MODEL TESTS (Con.)
SYNTHETIC SOILS
TEST PROCEDURES
THEORETICAL ANALYSIS
--WIND TUNNELS MODEL VERIFICATION 1
UF VERIFICATION OF MODELS
RT--MODELS NT ANALOG MODELS
AQUIFER MODELS
BINGHAM MODEL
BURGERS MODELS BINGERS MODEL
SURGERS MODELS
CONSTITUTIVE MODELS
CONSTITUTIVE MODELS
CRATER MODELS
EARTHQUAKE SIMULATION MODELS EARTHQUAKE SIMULATION MODELS
ELECTRIC ANALOGY SEEPAGE MODELS
-- ENVIRONMENTAL MODELS
ENVIRONMENTAL MODELS (ANALYTICAL)
FIXED-BED MODELS
GELATIN MODELS
-- HYDRAULIC MODELS
HYDRAULIC MODELS -- HYDROLOGIC MODELS -- HYDROLOGIC MODELS
KELVIN MODEL
MACH MODELS
-- MATHEMATICAL MODELS
MAXWELL MODEL
MOBILITY MODELS
MOVABLE-BED MODELS
PHOTOELASTIC MODELS
PEAGER MODELS PRAGER MODEL
--RHEOLOGICAL MODELS
ROAD CAPABILITY MODELS

ROAD CAPABILITY MODELS
SEMIRIGID MODELS
SHIP MODELS
-- STATISTICAL MODELS
STOCHASTIC MODELS
-- STRUCTURAL MODELS
TABLE MODELS
TERRAIN MODELS
TERRAIN MODELS (ANALYTICAL) WATER QUALITY MODELS WATER WAVE MODELS ANALOG COMPUTERS

-- ANALOGS

-- DESIGN DIMENSIONAL ANALYSIS ELECTRIC ANALOGS MODEL CONSTRUCTION MODEL DESIGN -- MODEL TESTS -- MODEL VERIFICATION OPERATIONS RESEARCH PHOTOELASTICITY

PROTOTYPES SCALE EFFECTS SCALE (RATIO) SIMILITUDE -- SIMULATION -- SIMULATORS

-- WIND TUNNELS

MODELS (ANALYTICAL) 1 2 3 4 5 6 7 use MATHEMATICAL MODELS

MODIFIED COMPACTION TESTS UF HEAVY COMPACTION TESTS
BT COMPACTION TESTS
SOIL TESTS (LABORATORY)
RT 15-BLOW COMPACTION TESTS STANDARD COMPACTION TESTS

MODULAR CONSTRUCTION 3
use MODULAR STRUCTURES

MODULAR STRUCTURES 3 4 6 MODULAR CONSTRUCTION

MODULUS IN COMPRESSION 2 use MODULUS OF DEFORMATION

MODULUS IN TENSION 2 use MODULUS OF DEFORMATION

DULUS OF DEFORMATION 2
NOTE: Ratio of stress to strain
for a material under given
loading conditions; use of the
term MODULUS OF DEFORMATION is
recommended for materials (e.g.,
soil) which to not deform in
accordance with Hooke's Law
UF COMPRESSION MODULUS
DEFORMATION MODULUS
MODULUS IN COMPRESSION
MODULUS IN COMPRESSION MODULUS OF DEFORMATION MODULUS IN COMPRESSION
MODULUS IN TENSION
TENSILE MODULUS
YOUNGS MODULUS MECHANICAL PROPERTIES
CHORD MODULUS
DYNAMIC MODULUS OF ELASTICITY
INITIAL TANGENT MODULUS

SECANT MODULUS SHEAR MODULUS -- TANGENT MODULUS RT BEND TESTS

BOREHOLE EXPANSION TESTS BULK MODULUS
COMPRESSIVE PROPERTIES
COMPRESSIVE STRESS

CONSTRAINED MODULUS
-- DEFORMATION ELASTIC DEFORMATION ELASTIC DESIGN ELASTIC LIMIT ELASTICITY

ELASTICITY
- JACKING TESTS
LARGE SCALE COMPRESSION TESTS
- LOAD TESTS (POUNDATIONS)
POISSON RATIO
PRESSURE CHAMBER TESTS RIGIDITY

RIGIDITY
--ROCK PROPERTIES
--SHEAR PROPERTIES
--SOIL PROPERTIES
STRESS-STRAIN CURVES
--STRESS-STRAIN RELATIONS
TENSILE PROPERTIES
THEOSILE STRESS
THEORY OF FLASTICITY THEORY OF ELASTICITY

MODULUS OF ELASTICITY DDULUS OF ELASTICITY 3 4
NOTE: Ratio of stress to strain
for a material under given loading conditions; use of the term
MODULUS OF ELASTICITY is recommended for materials that deform
in accordance with Hooke's Law
UF COMPRESSION MODULUS
ELASTIC MODULUS
TENSILE MODULUS
YOUNGS MODULUS
BT MECHANICAL PROPERTIES
NT CHORD MODULUS OF ELASTICITY
INITIAL TANGENT MODULUS
SECANT MODULUS
SECANT MODULUS
SECANT MODULUS 3 4

SECANT MODULUS SHEAR MODULUS

TANGENT MODULUS RT-- BENDING

-- COMPRESSION TESTS
-- COMPRESSIVE PROPERTIES
COMPRESSIVE STRESS
-- DEFORMATION

ELASTIC DEFORMATION
ELASTIC DESIGN
ELASTIC LIMIT
-- ELASTICITY

HOOKES LAW
INITIAL TANGENT MODULUS
POISSON RATIO
RIGIDITY

-- SHEAR PROPERTIES STIFFNESS STRESS-STRAIN CURVES
- STRESS-STRAIN RELATIONS

-- TENSILE PROPERTIES -- TENSILE STRENGTH TENSILE STRESS

MODULUS OF ELASTICITY MOISTURE (Con.) -- TENSION TESTS THEORY OF ELASTICITY MODULUS OF RIGIDITY 2 3 4 MODULUS OF RUPTURE NOTE: Force in pounds per square inch necessary to break a speci-men of specified width and thickness MECHANICAL PROPERTIES BT MECHANICAL PROPERTIE
RT-BEAMS (SUPPORTS)
BEND TESTS
-SHEAR STRENGTH
-TENSILE STRENGTH
TORSION SHEAR TESTS MODULUS OF RUPTURE IN BENDING use FLEXURAL STRENGTH MODULUS OF SUBGRADE REACTION USE COEFFICIENT OF SUBGRADE REACTION MODULUS OF VOLUME CHANGE 2 USE COEFFICIENT OF VOLUME COM-PRESSIBILITY MOHR CIRCLE 1 2
BT STRESS CIRCLE
RT COULOMB EQUATION
DEVIATOR STRESS
MOHH-COULOMB THEORY
MOHR ENVELOPE
- NORMAL STRESS
PRINCIPAL STRESS
PRINCIPAL STRESS
- SHEAR STRENOTH
SHEAR STRESS
- SHEAR TESTS MOHR-COULOMB THEORY 2 4 UF MOHR FAILURE THEORY BT STRENGTH THEORIES COHESION COULOMB EQUATION INTERNAL PRICTION MOHR CIRCLE MOHR ENVELOPE SHEAR FAILURE SHEAR PLANES --SHEAR STRENGTH MOHR ENVELOPE UF COULOMB LINE RT--COHESION COULOMB EQUATION INTERNAL FRICTION MOHR CIRCLE MOHR-COULOMB THEORY MOHR FAILURE THEORY 2 MUSE MOHR-COULOMB THEORY MOIST CURING 3
UF WATER CURING
WET CURING CONCRETE CURING MOISTURE UF DAMPNESS NT ADSORBED WATER CAPILLARY WATER RT DEHYDRATION DRYING HUMIDITY HYDROGENESIS HYDROLYSIS HYGROSCOPIC WATER MOISTURE CONTENT
MOISTURE CONTENT (CONCRETE)
MOISTURE CONTROL
MOISTURE-DENSITY RELATIONS

(Con.) -- MOISTURE METERS -- WATER WATER CONTENT (CONCRETE)
-- WATER CONTENT (SOILS) MOISTURE CONTENT 1 RT-- HYDROLOGIC PROPERTIES HYGROMETERS HYGROMETRY MOISTURE MOISTURE METERS MOISTURE CONTENT (CONCRETE)
RT CONCRETE DRYING HUMIDITY MOISTURE -- MOISTURE METERS -- WATER WATER CONTENT (CONCRETE) MOISTURE CONTENT DETERMINATION (SOILS) 2 5
use WATER CONTENT DETERMINATION (SOILS) MOISTURE CONTENT (SOILS)
use WATER CONTENT (SOILS) MOISTURE CONTROL 1 2 3 5
RT COMPACTION CONTROL (SOILS)
-- COMPACTION TESTS
-- CONSTRUCTION CONTROL EARTH DAM CONSTRUCTION
-- FIELD CONTROL TESTS (SOILS) IMPERVIOUS MEMBRANES -- MOISTURE ROCKFILL DAM CONSTRUCTION
-- WATER CONTENT DETERMINATION (SOILS)
-- WATERPROOFING WORKABILITY MOISTURE-DENSITY RELATIONS
UF COMPACTION CURVES
PROCTOR CURVES
BT SOIL PROPERTY RELATIONS T SOIL PROPERTY RELATIONS
T COMPACTION CONTROL (SOILS)
-- COMPACTION (SOILS)
-- COMPACTION TESTS
-- DENSITY (MASS/VOLUME)
MAXIMUM DRY DENSITY -- MOISTURE ONE POINT COMPACTION TESTS
OPTIMUM WATER CONTENT OPTIMUM WATER CONTENT
SOIL DENSITY
-- SOIL MOISTURE
SOIL MOISTURE PREDICTION
SOIL MOISTURE RELATIONS
-- UNIT WEIGHT DETERMINATION
-- WATER CONTENT DETERMINATION (SOILS)
ZERO AIR VOIDS CURVE MOISTURE DENSITY TESTS USE COMPACTION TESTS MOISTURE METERS 1 3 BT MEASURING INSTRUMENTS NT-- HYGROMETERS **PSYCHROMETERS** MOISTURE CONTENT
MOISTURE CONTENT (CONCRETE) MOISTURE PREDICTION RELATIONS use SOIL MOISTURE PREDICTION MOISTURE SUCTION RELATIONSHIP (SOILS) 2 RT CAPILLARY PRESSURE CAPILLARY WATER CENTRIFUCES -- PAVEMENT DESIGN SOIL SUCTION SURFACE TENSION TENSIOMETERS -- WATER CONTENT (SOILS)

ISTUREPROOFING 1 2 3 5 use WATERPROOFING MOISTUREPROOFING MOMENTS OF INERTIA 2 3 MOLDABILITY (CONCRETE) 3
use CONCRETE WORKABILITY MOLDING MATERIALS RT BINDERS -- CLAYS MOLDING TECHNIQUES MOLDS PLASTER -- REFRACTORIES SANDS MOLDING TECHNIQUES 3 RT AUTOCLAVING MOLDING MATERIALS DLDS 3
NOTE: Excludes organisms
RT--CONCRETE PLACING
MOLDING MATERIALS
MOLDING TECHNIQUES
PLASTIC FORMS MONITORS MOLDS (ORGANISMS) 7 use FUNGI MONOCLINES BT DRAINAGE SUBSURFACE DRAINAGE SURFACE DRAINAGE RT PERCOLATION MOLE DRAINS 1 2 NOTE: Underground tubular chan-nels in the soil, constructed with a mole plow BT DRAINGE STRUCTURES MONOLAVERS DRATINS SUBDRAINS RT-- CLAYEY SOILS MOLECULAR FLOW 1
NOTE: Flow with Knudsen numbers greater than 0.01; for ducted molecular flow use Knudsen flow GAS FLOW
OF FREE MOLECULE FLOW SLIP FLOW
TRANSITION FLOW
RT BOUNDARY LAYER TRANSITION KNUDSEN FLOW -- ROCKS MONSOONS KNUDSEN FLOW LES 1 2 3 use BREAKWATERS MOLES MOLLUSCA DLLUSCA 7 BT AQUATIC ANIMALS INVERTEBRATES CLAMS OYSTERS SNATLS RT- - CRUSTACEA -- SHELLFISH MOLYBDENUM 2 7 BT METALS RT ALLOYS IRON -- STEELS TRACE ELEMENTS MOMENT DISTRIBUTION 2 3 RT-- STATICS STRENGTH OF MATERIALS -- STRUCTURAL DESIGN MOMENTS MENTS 2 3
NT MOMENTS OF INERTIA
RT-SLOPE STABILITY ANALYSIS
STANDARD DEVIATION

-- STATICS

BT MOMENTS RT INERTIA -- STATICS STRENGTH OF MATERIALS STRESS ANALYSIS MOMENTUM EQUATION 1
RT CONTINUITY EQUATION
ENERGY EQUATION -- HYDRAULICS SPECIFIC HEAD -- VELOCITY MONITORING 1 6
RT DATA THANSMISSION
-- MAINTENANCE
MATERIALS CONTROL -- MEASUREMENT RT ACTINOMETERS
MEASURING INSTRUMENTS
-- RADIATION MEASURING INSTRU-MENTS OCE: Strata inclined in a single direction
T FOLDS AND FOLDING (GEOLOGY)
GEOLOGIC STRUCTURES
T ANTICLINES BASINS (GEOLOGY)
-- DOMES (GEOLOGY)
GEANTICLINES GEOSYNCLINES SYNCLINES use MONOMOLECULAR FILMS MONOLITHS 2 3 RT CAST-IN-PLACE STRUCTURES MASONRY DAMS MONOMOLECULAR FILMS 2
NOTE: Film of a substance one molecule thick
UF MONOLAYERS
RT-- ADSORPTION FILMS (MOISTURE) DNSCONS 1
BT WIND (METEOROLOGY)
RT--PRECIPITATION (METEOROLOGY) -- TROPICAL CYCLONES MONTE CARLO METHOD 1 6
BT NUMERICAL ANALYSIS
RT APPROXIMATION METHOD
MARKOV PROCESSES
-- MATHEMATICAL MODELS
-- OPERATIONS RESEARCH
PROBABILITY THEORY
SEQUENTIAL ANALYSIS
SIMULATION
-- STATISTICAL MODELS
-- STOCHASTIC PROCESSES -- STOCHASTIC PROCESSES MONTMORILLONITE 2 3
BT CLAY MINERALS
MINERALS
SILICATE MINERALS BENTONITE
DRILLING FLUIDS
--EXPANSIVE SOILS KAOLINITE VERMICULITE VOLCANIC ASH VOLCANIC CLAYS MOODY RESISTANCE DIAGRAMS 1 RT-BOUNDARY LAYER DARCY-WEISBACH EQUATION

MOODY RESISTANCE DIAGRAMS (Con.) MORTAR AMMUNITION (Co RT MORTARS (WEAPONS) MUNITION BURSTS (Con.) -- PIPES -- RESISTANCE RESISTANCE COEFFICIENT REYNOLDS NUMBER STEADY FLOW UNIFORM FLOW MORTAR BARS 3 MORTAR BOND STRENGTH 3
RT BOND (CONCRETE TO CONCRETE)
CONCRETE BLOCKS
CONCRETE BRICK EARTH TIDES EXTRATERRESTRIAL PHENOMENA MASONRY MORTARS LUNAR CRATERS
LUNAR ENVIRONMENT
LUNAR GEOLOGY
OCEAN TIDES MORTARS (EQUIPMENT) 3
RT CONCRETE MIXERS
-- GRINDING MILLS -- TIDES -- MIXERS MOORING DOLPHINS 1 2 3 ORTARS (MATERIAL) 2 3
UP CEMENT MORTARS
NT CEMENT LIME MORTARS
MASONRY MORTARS
REFRACTORY MORTARS MORTARS (MATERIAL) use DOLPHINS OORINGS 1 2 4
BT HARBOR STRUCTURES
MARINE STRUCTURES
RT ANCHORING RT-- AGGREGATES
BRICK CONSTRUCTION
-- BRICKS
CALCIUM HYDROXIDES -- DOCKS DOLPHINS HARBORS
PIERS (DOCKS)
QUAY WALLS
SHIP ANCHORS -- CEMENTS -- COATINGS -- CONCRETE ADMIXTURES CONCRETE LININGS EFFLORESCENCE FLOW TABLE TESTS (MORTARS) -- GROUTS BT GLACIAL FEATURES TO POGRAPHIC FEATURES HYDRAULIC LIME LENGTH CHANGE TESTS LIME BOUT DERS LIME CEMENTS ESKERS -- MASONRY GLACIAL TILL -- GRAVELS MASONRY CEMENTS MASONRY WALLS KAMES PLASTER - PORTLAND CEMENTS MORBIDITY 7
NOTE: In medical ecology, the incidence (measured frequency) of disease in a population; the illness rate
RT EPIDEMIOLOGY PUMPED CONCRETE
-- REFRACTORIES RETEMPERING SANDS SHOTCRETE SLURRIES EPIZOOTIOLOGY STUCCO FISH KILLS TUCKPOINTING MORTALITY PUBLIC HEALTH MORTARS (WEAPONS) -- WATER POLLUTION BT WEAPONS RT-- ARTILLERY MORNING GLORY SPILLWAYS 1 MORTAR AMMUNITION use SHAFT SPILLWAYS MOSAICS MORPHOLOGY (BIOLOGY) 7
NOTE: Study of the form and
atructure (but not the functions) of an organism
RT BIOLOGY RT AERIAL PHOTOGRAPHY
AERIAL SURVEYS
-- MAPPING -- MAPS PHOTOGRAMMETRY -- PHOTOGRAPHS MORPHOLOGY (GEOMORPHOLOGY)
use GEOMORPHOLOGY MOSQUITOES use CULICIDAE MORPHOLOGY (LAKE) 1 use LAKE MORPHOLOGY RT-FLUORESCENCE 3 6 MOSSBAUER EFFECT MORPHOLOGY (STREAMS) 1 use FLUVIAL MORPHOLOGY MOSSES OSSES 7
NOTE: Any bryophytic plant
(class Musci) characterized
by the small, leafy, often
tufted stems bearing sex organs
at the tips
BT PLANTS (BOTANY)
RT CRYPTOGAMS RTALITY 7
RT--ENVIRONMENTAL EFFECTS EPIDEMIOLOGY FISH KILLS PESTICIDE RESIDUES RED TIDE MOTELS 3
BT PUBLIC BUILDINGS
RT--COMMERCIAL BUILDINGS MORTAR AMMUNITION BT AMMUNITION PROJECTILES OTION 5 6 NOTE: Use of a more specific term is recommended; consult the terms listed below

MOUNTAINS 2
BT TOPOGRAPHIC FEATURES
RT--GEOMORPHOLOGY
GLACIERS N (Con.) DYNAMICS MOTION HUMAN LOCOMOTION MOBILITY MOTION MEASUREMENT OROGENY ROCK SLOPES RIDE DYNAMICS VEHICLE DYNAMICS VEHICLE MOTION VEHICLE SPEED -- SLOPES -- TOPOGRAPHY VOLCANOES VELOCITY VIBRATION EFFECTS (VEHICLES) MOVABLE-BED MODELS 1
UP FLUVIAL MODELS
BT HYDRAULIC MODELS VIBRATIONS (VEHICLES) MOTION EQUATIONS 1 2 GUSE EQUATIONS OF MOTION MODELS RT BED MATERIALS (MODELS) CHANNEL BEDS MOTION MEASUREMENT -- CHANNELS CHANNELS
FIXED-BED MODELS
HYDRAULIC GRADIENTS
HYDRAULIC LABORATORIES
HYDRAULIC SIMILITUDE BT MEASUREMENT RT--MOTION MOTION RESISTANCE MOTION PICTURES 6
RT COMPUTER ANIMATION
GRAPHIC ARTS - RIVERS SEDIMENT CONTROL
-- SEDIMENT TRANSPORT SEMIRIGID MODELS
-- TRACTIVE FORCES MOTION RESISTANCE 5
UF MOVING RESISTANCE
ROLLING RESISTANCE MOVABLE BRIDGES 1 BT BRIDGES TOWING RESISTANCE BREAKING (ARRESTING MOTION) MOVABLE DAMS 1 2
NOTE: Dams movable in whole or in part to afford a waterway BT DAMS
NT BEAR-TRAP DAMS
BEBOUT WICKET DAMS
NEEDLE DAMS
RT BEAR-TRAP GATES
--HYDRAULIC GATES
--NAVIGATION DRAG -- FRICTION SURFACE FRICTION VEHICLE MOTION --VEHICLE TESTS MOTOR VEHICLES 5 6 MOTORS 6
NT ELECTRIC MOTORS
HYDRAULIC MOTORS
SERVOMOTORS MOVING LOADS 1 2 3 4 use LIVE LOADS MOVING RESISTANCE 5
use MOTION RESISTANCE MOUND DRAINS BT DRAINAGE STRUCTURES DRAINS
RT DAM UNDERSEPAGE
TOE DRAINS
TRENCH DRAINS NOTE: Soils made from decaying plant materials
UF MUCK SOILS
BT ORGANIC DEPOSITS
ORGANIC SOILS MOUNDED STRUCTURES 2 3 4 5 UF BURIED STRUCTURES SEMIBURIED STRUCTURES RT BOGS RT CIVIL DEFENSE MOUNDING CLAYS HUMUS SOILS -- MARSHES PROTECTIVE CONSTRUCTION -- PROTECTIVE STRUCTURES MINE WASTES MUD SAFETY MUSKEG -- SHELTERS ORGANIC CONTENT UNDERGROUND STRUCTURE DESIGN -- UNDERGROUND STRUCTURES PEAT SOFT SOILS SWAMPS MOUNDING WATERLOGGED LAND RT MOUNDED STRUCTURES MUCK SOILS 2 7 MOUNDS (ARCHAEOLOGY) UF MOUNDS (INDIAN) DD 1 2 3 4 7 RT BOTTOM SEDIMENT MOUNDS (INDIAN) 2 use MOUNDS (ARCHAEOLOGY) -- CLAYS
DRILLING FLUIDS MOUNTAIN BUILDING 2 -- GROUTS use OROGENY -- MARSHES MARSHES
MUCK
MUD DISPLACEMENT
MUD FLATS
MUD FLOWS
MUD WATER INTERFACES MOUNTAIN CHAINS use MOUNTAIN SYSTEMS MOUNTAIN GLACIATION use ALPINE GLACIATION MUSKEG SATURATED SOILS SEDIMENT- WATER INTERFACES MOUNTAIN SYSTEMS UP MOUNTAIN CHAINS RT-- TOPOGRAPHY -- VALLEYS SLIME SLUDGE SLURRIES -- SWAMPS

WATERLOGGED LAND

MULTIBAND PHOTOGRAPHY (Con.) MUD DISPLACEMENT AERIAL SURVEYS
-- MAPPING
PHOTOGRAMMETRY RT MUD MUD FLOWS PHOTOGRAPHIC RECONNAISSANCE MUD FLATS 1 RT-- GEOMORPHOLOGY MULTILEVEL OUTLETS BT OUTLET WORKS OUTLETS INTERTIDAL ZONE
MUD
MUD-WATER INTERFACES 1 OUTLETS
INTAKE TOWERS
RESERVOIR OPERATION
-STRATIFICATION (WATER)
THERMAL GRADIENTS
THERMAL STRATIFICATION
WATER QUALITY CONTROL
WATER TEMPERATURE SEDIMENT- WATER INTERFACES -- SHORES TIDAL EFFECTS TIDAL MARSHES MUD FLOWS 1 2 4 UF MUD WAVES
BT EARTH MOVEMENTS
FLOW SLIDES
MASS WASTING MULTIPHASE FLOW BT FLOW
FLUID FLOW
NT TWO PHASE FLOW
RT FLOW MEASUREMENT
FLUID RESISTANCE SLIDES RT-- FLOW LANDSLIDE DAMS -- LANDSLIDES MUD MUD DISPLACEMENT -- GAS FLOW LAMINAR FLOW LAMINAR FLOW
-LIQUID FLOW
MASS FLOW
ORIFICE FLOW
SINGLE PHASE FLOW
STEADY FLOW
STEAM FLOW
SUBCRITICAL FLOW
SUPERCRITICAL FLOW
TURBULENT FLOW
HINTEODER FLOW QUICK CLAYS RAIN AND RAINFALL SOIL CREEP MUD LUMPS 1 2 NOTE: Small cone-shaped mounds of clay or silt on the bank of a delta RT--CLAYS DELTAS UNIFORM FLOW
-- UNSTEADY FLOW -- SILTS MUD-WATER INTERFACES 1 7
BT BOUNDARIES (SURFACES)
EARTH WATER INTERFACES
INTERFACES
RT EARTH SURFACE MULTIPLE ARCH DAMS 1 2 3 4 BT ARCH DAMS DAMS RT-- CONCRETE DAMS MASONRY DAMS INTERTIDAL ZONE MULTIPLE REGRESSION LAKE BEDS MUD MUD FLATS BT REGRESSION ANALYSIS MULTIPLE USE PROJECTS 1 (use MULTIPUR POSE PROJECTS -- SEDIMENT SEDIMENT- WATER INTERFACES -- SHORES MULTIPLE WHEEL LANDING GEAR 2 5
BT LANDING GEAR
RT--AIRCRAFT
LANDING FIELD DESIGN
TWIN WHEELS -- WATER MUD WAVES 2 4 use MUD FLOWS MUDJACKING 2 3 use SLABJACKING -- WHEELS MULTIPUR POSE PROJECTS 1 6
UF MULTIPLE USE PROJECTS
RT HYDROELECTRIC POWER
MULTIPUR POSE RESERVOIRS MUDSTONES 2 3 BT ROCKS SEDIMENTARY ROCKS PROJECT PLANNING
RECREATION
WATER POLICY
WATER RESOURCES DEVELOPMENT SILICEOUS ROCKS CLAYSTONES -- LIMESTONES SANDSTONES -- SHALES SILTSTONES MULTIPURPOSE RESERVOIRS 1 6 BT IMPOUNDMENTS . -- SILTY SOILS RESERVOIRS
DETENTION RESERVOIRS
FLOOD CONTROL
HYDROELECTRIC PLANTS MULCHES 2 5 7
NOTE: Protective covering spread upon the ground to reduce evaporation or prevent erosion
NT ASPHALT MULCHE
TURF MULCHES
RT AGRICULTURAL WASTES HYDROELECTRIC POWER
-- IRRIGATION -- LAKES MULTIPURPOSE PROJECTS MULTIPURPOSE PROJECT MUNICIPAL WATER RECREATION RESERVOIR CAPACITY RESERVOIR STORAGE RESERVOIR SYSTEMS STANDING WATERS WATER CONSUMPTION COMPOSTS -- EROSION CONTROL EVAPORATION CONTROL
-- SLOPE PROTECTION
SOIL CONSERVATION
SOIL EROSION MULTIBAND PHOTOGRAPHY MULTISTORY BUILDINGS use SKYSCRAPERS BT PHOTOGRAPHY RT AERIAL PHOTOGRAPHY

MULTIVIBRATORS 6 BT CIRCUITS RT LOGIC CIRCUITS MUNICIPAL ENGINEERING 6 RT CIVIL ENGINEERING MUNICIPAL WATER 1
BT WATER
RT MULTIPURPOSE RESERVOIRS
RIVER BASIN DEVELOPMENT
WATER CONSUMPTION MUNITION BURSTS 4
RT-BOMBS (ORDNANCE)
DEMOLITION CHARGES
--EXPLOSIVE CHARGES
--EXPLOSIVES
HIGH EXPLOSIVE AMMUNITION
--MINES (ORDNANCE)
MORTAR AMMUNITION
SHAPED CHARGES MUNITION EFFECTIVENESS 4 5
RT--CLEARING
CRATER EJECTA
--EXPLOSION EFFECTS
HEIGHT-OF-BURST
--MILITARY OPERATIONS
PROJECTILES
VEGETATION CLEARING MUNITIONS 4
NT-AMMUNITION
ATOMIC DEMOLITION MUNITIONS
RT ATOMIC DEMOLITION MUNITIONS STORAGE

STORAGE

BALLISTIC MISSILES

- BOMBS (ORDNANCE)

DEMOLITION CHARGES

- EXPLOSIVE CHARGES

- EXPLOSIVES - EXPLOSIVES
GUIDED MISSILES
- MINES (ORDNANCE)
- MISSILES
MUNITIONS INDUSTRY
- MUNITIONS STORAGE
- ORDNANCE -- PROJECTILES
-- PROPELLANTS PYROTECHNICS -- ROCKETS TORPEDOES -- WARHEADS MUNITIONS INDUSTRY 4
UF AMMUNITION INDUSTRY
RT-BOMBS (ORDNANCE)
DEMOLITION CHARGES
-EXPLOSIVE CHARGES
-EXPLOSIVES
-MINES (ORDNANCE)
-MISSILES -- MUNITIONS -- ORDNANCE -- PROJECTILES
-- PROPELLANTS
PYROTECHNICS
-- ROCKETS TORPEDOES MUNITIONS STORAGE 3 4
UF AMMUNITION STORAGE
NT ATOMIC DEMOLITION MUNITIONS STORAGE
T BOMBS (ORDNANCE)
DEMOLITION CHARGES
-- EXPLOSIVE CHARGES -- EXPLOSIVES -- MINES (ORDNANCE)

-- MISSILES
-- MUNITIONS
-- ORDNANCE
-- PROJECTILES
-- PROPELLANTS

MUNITIONS STORAGE PYROTECHNICS -- ROCKETS (Con.) SAFETY TORPEDOES -- WARHEADS MUSKEG 1 2 5 7

NOTE: Boggy area frequently
with tussocks of deep accumulations of organic material,
growing in wet, poorly drained,
boreal regions
UF ORGANIC TERRAIN
RT BOGS
FLOODED SOILS
-- MARSHES
MUCK MUCK MUD -- ORGANIC SOILS PEAT
SATURATED SOILS
SOFT SOILS
-- SWAMPS -- TOPOGRAPHY WATERLOGGED LAND MYLONITE 2 3
NOTE: Rocks that have been crushed and rolled out to such an extent that the original structure has been destroyed BT METAMORPHIC ROCKS ROCKS RT COMMINUTION FELDSPARS QUARTZ MYXOBACTERATES 7
UF SLIME BACTERIA
BT BACTERIA
RT AEROBIC BACTERIA SOIL MICROBIOLOGY MYXOMYCETES 7
UF SLIME MOLDS
BT FUNGI PLANTS (BOTANY)

N-SHAPED BLOCKS 1 NOTE: Patented precast concrete armor units NAILABLE CONCRETE BT CONCRETES
RT INSULATING CONCRETES
--LIGHTWEIGHT AGGREGATES
--LIGHTWEIGHT CONCRETE SAWDUST NAILS (FASTENERS) 3
BT FASTENERS
RT ANCHORS (FASTENERS) NANNOPLANKTON 7
NOTE: Very minute plankton
BT AQUATIC MICROORGANISMS
AQUATIC PLANTS
MICROORGANISMS PLANKTON SESTON
RT--AQUATIC ALGAE
--AQUATIC BACTERIA
PHYTOPLANKTON
--PLANTS (BOTANY)
--ZOOPLANKTON RT SPILLWAY CRESTS
--SPILLWAYS WEIR CRESTS NATIONAL DEFENSE NT CIVIL DEFENSE RT AIR DEFENSE AIR RAID SHELTERS
FALLOUT SHELTERS
--PROTECTIVE STRUCTURES --SHELTERS NATIONAL PARKS 1 6 7 BT LAND PARKS PUBLIC LAND RT CAMPING -- CONSERVATION FORESTS -- NATURAL RESOURCES -- RECREATION RECREATIONAL FACILITIES
-RESOURCE CONSERVATION WILDERNESS WILDLIFE CONSERVATION NATIONAL ROAD TEST ause AASHO ROAD TEST 2 3 5 NATURAL CEMENTS 2 3 BT CEMENTS RT--HYDRAULIC CEMENTS LIMESTONES MASONRY CEMENTS NATURAL FIBERS 2 3 BT FIBERS NT ASBESTOS RT NATURAL NATURAL TEXTILES
--SYNTHETIC FIBERS NATURAL FLOW 1 BT CHANNEL FLOW FLOW
FLUID FLOW
FLUID FLOW
STHEAM FLOW
RT NATURAL FLOW DOCTRINE
REGULATED FLOW NATURAL FLOW DOCTRINE BT WATER LAW WATER RIGHTS

ALTERATION OF FLOW DIVERSION

NATURAL FLOW DOCTRINE (Con.)
NATURAL FLOW
OBSTRUCTION TO FLOW NATURAL PREQUENCY 1 2 3 4 NOTE: Frequency of free vibrations of a body BT FREQUENCY RT DYNAMIC RESPONSE -- RESONANCE -- VIBRATIONS NATURAL GAS 1 2 6 7 BT FUELS GASES RT--FOSSIL FUELS GAS PIPELINES GAS RESERVOIRS GAS WELLS -HYDROCARBONS OIL AND GAS FIELDS
OIL AND GAS MAPS
OIL RESERVOIRS
OIL WELLS
STORAGE TANKS UNDERGROUND STORAGE NATURAL LEVEE DEPOSITS 1 2 ALLUVIUM GEOLOGICAL DEPOSITS MEANDER BELT DEPOSITS
ABANDONED CHANNEL DEPOSITS
BACKSWAMP DEPOSITS POINT BAR DEPOSITS NATURAL RECHARGE RT--AQUIFERS
--ARTIFICIAL RECHARGE GROUNDWATER RECHARGE INFILTRATION (WATER) STORAGE COEFFICIENT SURFACE-GROUNDWATER RELATIONSHIPS NATURAL RESOURCES 1 2 3 7 BT RESOURCES BT RESOURCES
NT ATMOSPHERE
LAND RESOURCES
MINERAL RESOURCES
WATER RESOURCES
RT--CONSERVATION
PORESTS
AS RESERVOIRS GAS RESERVOIRS GRASSLANDS --LAND LAND USE MINERAL DEPOSITS
NATIONAL PARKS
--OIL RESERVOIRS
--RECREATION --REFORESTATION
--RESOURCE CONSERVATION
--SUBSTRATUM DEPOSITS
WATER RESOURCES DEVELOPMENT
--WATER SUPPLY WILDLIFE ELASTOMERS RUBBER NATURAL RUBBER SYNTHETIC RUBBER NATURAL SLOPES 2 use SLOPES NATURAL TEXTILES 2 BT TEXTILES RT--NATURAL FIBERS SYNTHETIC TEXTILES NAUTICAL SURVEYING 1 2 use HYDROGRAPHIC SURVEYING

NAUTICAL SURVEYS 1 2 use HYDROGRAPHIC SURVEYS

NAVAL ARCHITECTURE 1 RT--BOATS HYDROPOILS
MARINE ENGINEERING
NAVAL SCIENCE
--SHIPS NAVAL FACILITIES use MILITARY FACILITIES NAVAL SCIENCE 1 RT MARINE ENGINEERING NAVAL ARCHITECTURE --SHIPS NAVIER-STOKES EQUATION : RT--EQUATIONS OF MOTION VISCOUS FLOW NAVIGABLE BIVERS BT CHANNELS
INLAND WATERWAYS
NAVIGABLE WATERS RIVERS WATERWAYS (TRANSPORTATION)
RT LOCKS (WATERWAYS)
--NAVIGATION
--NAVIGATION DAMS --STREAMS NAVIGABLE WATERS NT HARBORS
--INLAND WATERWAYS
NAVIGABLE RIVERS
NAVIGATION CANALS RT--I.AKES LOCKS (WATERWAYS)
--NAVIGATION
--NAVIGATION DAMS NONNAVIGABLE WATERS OCEANS STREAM BEDS -- WATERWAYS (TRANSPORTATION) NAVIGABLE WATERWAYS 1
use WATERWAYS (TRANSPORTATION) NAVIGATION 1

NT SONAR NAVIGATION

UNDERWATER NAVIGATION

RT DEPTH FINDING ICE JAMS LIGHTHOUSES LIGHTHOUSES
LOW-PLOW AUGMENTATION
--MOVABLE DAMS
NAVIGABLE RIVERS
--NAVIGATION AIDS
NAVIGATION CANALS
NAVIGATION CHANNELS
NAVIGATION CONDITIONS
NAVIGATION DAMS NAVIGATION DAMS RESTRICTED CHANNELS SHIP MANEUVERING SHOALS --SOUNDING METHODS (WATER) AVIGATION AIDS 1
NOTE: Excludes aids to air
navigation unless common to
air and water use
NT BUOY LIGHTS
LIGHTHOUSES
RADAR BEACONE NAVIGATION AIDS RADAR BEACONS RADIO DIRECTION FINDERS BEACONS DEPTH FINDERS -NAVIGATION NAVIGATION CHARTS RADAR NAVIGATION CANALS 1 3

CANALS NAVIGABLE WATERS

NAVIGATION CANALS (Con.)
WATERWAYS (TRANSPORTATION)
RT--NAVIGATION RESTRICTED CHANNELS SEA LEVEL CANALS NAVIGATION CHANNELS BT CHANNELS RT--NAVIGATION NAVIGATION CONDITIONS RESTRICTED CHANNELS NAVIGATION CHARTS BT CHARTS
RT--MAPS
--NAVIGATION AIDS NAVIGATION CONDITIONS 1 NOTE: Stream flow conditions which affect navigation RT--NAVIGATION NAVIGATION CHANNELS OPEN CHANNEL FLOW RESTRICTED CHANNELS NAVIGATION DAMS 1 2 AVIGATION DAMS 1 2
BT DAMS
T-CONCRETE DAMS
--EARTH DAMS
--INLAND WATERWAYS
--LOCKS (WATERWAYS)
NAVIGABLE RIVERS
--NAVIGABLE WATERS -- NAVIGATION NAVIGATION LAWS 1 use MARITIME LAWS NAVIGATION LOCKS 1 2 use LOCKS (WATERWAYS) NEAT CEMENT PASTES use CEMENT PASTES NECROSIS 7
NOTE: Death of plant cells
resulting in a discolored,
sunken area or death of the entire plant RT ANOXIA NEEDLE BEAMS 2 3 4
BT BEAMS (SUPPORTS)
STRUCTURAL MEMBERS
RT--JACKS SHORING UNDERPINNING NEEDLE DAMS 1 BT MOVABLE DAMS NEEDLE VALVES 1 BT HYDRAULIC VALVES VALVES
RT HOLLOW JET VALVES
--PNEUMATIC VALVES NEGATIVE PORE PRESSURE BT PORE PRESSURE
PRESSURE
RT APPARENT COHESION APPARENT COHESION
CAPILLARITY
CAPILLARY PRESSURE
EPFECTIVE STRESS
ELECTROKINETIC SOIL
STABILIZATION
OVERCONSOLIDATED SOILS
PORE AIR PRESSURE
PORE WATER PRESSURE
Q TESTS (SOILS)
SOIL SUCTION
SUBPROF TENSION

NEGATIVE PRESSURE 1
RT ATMOSPHERIC PRESSURE CAVITATION NEUTRON ACTIVATION ANALYSIS (Con.) RT MICROANALYSIS SPECTROCHEMICAL ANALYSIS -FLOW HYDROSTATIC PRESSURE -- SPECTROSCOPIC ANALYSIS NEUTRON COUNTERS 2 4
BT MEASURING INSTRUMENTS
NUCLEAR EQUIPMENT
RT GEIGER COUNTERS VACUUM PUMPS NEGATIVE SKIN FRICTION 2
BT FRICTION
SHAFT RESISTANCE (PILES)
SKIN FRICTION (PILES) NEUTRONS
NUCLEAR METHODS
--RECORDING INSTRUMENTS
SCINTILLATION COUNTERS DOWNDRAG FRICTION PILES PILE EXTRACTION
POSITIVE SKIN FRICTION
PULL-OUT RESISTANCE AND NEUTRON RADIOGRAPHY BT RADIOGRAPHY RT NEUTRONS TESTS UPLIFT PILES EUTRONS 2 3 4 6
RT ATOMS
ELECTRONS NEUTRONS NEGOTIATIONS 6 RT BIDS CHANGE ORDERS
CLAIMS (CONTRACTS) IONS --ISOTOPES NEUTRON COUNTERS
NEUTRON RADIOGRAPHY
--NUCLEAR RADIATION
PROTONS -- CONTRACT ADMINISTRATION
-- CONTRACTS LAND ACQUISITION LITIGATION -- RADIATION EFFECTS RADIOACTIVITY -MANAGEMENT REPAYMENT CONTRACTS TREATIES X RAYS NEWTONIAN FLOW 1 BT FLUID FLOW RT FLOW RATE --FLUIDS NEKTON EKTON 7
NOTE: Strong swimming animals
in water, e.g. fish
BT AQUATIC ANIMALS
SESTON INCOMPRESSIBLE FLOW REYNOLDS NUMBER RT BIOMASS --ZOOPLANKTON VISCOSITY NEMATODES 7
NOTE: Unsegmented worms
BT INVERTEBRATES
RT-AQUATIC ANIMALS
--AQUATIC MICROORGANISMS NEWTONIAN LIQUID 2 NOTE: Liquid in which the rate of shear is proportional to the shearing stress RT--RHEOLOGICAL MODELS RHEOLOGY --MICROBIOLOGY -- PARASITES VISCOSITY SOIL MICROBIOLOGY
--SOIL MICROORGANISMS NEWTONS LAW OF MOTION 1 2 4 UF LAW OF MOTION RT--DYNAMICS THERMOPHILES
WATER POLLUTION SOURCES NEYRPIC CURRENT METER USe CURRENT METERS NEOPRENES 2 use CHLOROPRENE RESINS NICHES NERITIC ZONE ZONE 7 Zone of shallow water NOTE: Range of sets of environ-mental conditions which an organism's behavioral, adjoining a coast line T ENVIRONMENTS MARINE ENVIRONMENT PELAGIC ZONE INTERTIDAL ZONE morphological and physiologi-cal adaptations enable it to occupy; the role an organism plays in the functioning of a LITTORAL ZONE natural system, in contrast to habitat UF ECOLOGICAL NICHES RT BALANCE OF NATURE --BIOLOGICAL COMMUNITIES CARNIVORES --OCEANS NETWORK ANALYSIS 1 RT--ANALOGS ELECTRIC POTENTIAL NETWORK FLOWS 1 6
BT OPERATIONS RESEARCH
RT GRAPH THEORY
LINEAR PROGRAMMING -- ECOSYSTEMS -- ECOTYPES -- HABITATS HERBIVORES OMNI VORES NEUTRAL STRESS 2 3 4 BT STRESSES RT PORE WATER PRESSURE NICKEL 2 BT METALS RT ALLOYS NEUTRAL TURN STEERING use SKID STEERING -- COATINGS -- CORROSION PREVENTION NEUTRON ACTIVATION ANALYSIS BT CHEMICAL ANALYSIS RADIOACTIVATION ANALYSIS --STEELS TRATES 2 3 4
BT SALTS
NT AMMONIUM NITRATE
CALCIUM NITRATES NITRATES

NITRATES (Con.)
SODIUM NITRATES
RT--EXPLOSIVES
NITROGEN

NITRIFICATION 7
NOTE: Oxidation of ammonia and ammonium compounds to nitrites and then to nitrates by certain bacteria
RT AMMONIA
NITRITES
NITROGEN CYCLE
NITROGEN FIXATION
OXIDATION

NITRIFYING BACTERIA 7
use NITROGEN FIXING BACTERIA

NITRITES 7 RT DENITRIFICATION NITRIFICATION

NITROGEN 1 2 3 4 7
BT GASES
NOMMETALS
RT--AIR
ARTIFICIAL FREEZING
--NITRATES
NITROGEN CYCLE
NITROGEYCERIN
NITROMETHANE

NITROGEN CYCLE 7
NOTE: Circulation of nitrogen, chiefly by means of organisms from the inorganic nitrogen in the atmosphere to nitrates, into proteins and protoplasm in plants and animals, to ammonia, and return to nitrites and nitrates
BT BIOGEOCHEMICAL CYCLE
RT AMMONIFICATION
DENITRIFICATION
NITRIGEN
NITROGEN FIXATION

NITROGEN DIOXIDE 7
BT NITROGEN OXIDE
RT OXIDATION

NITROGEN FIXATION 7
NOTE: Assimilation of free nitrogen of the atmosphere by microorganisms in the soil or by bacteria in the nodules of certain plants, especially legumes, into organic nitrogenous compounds
RT NITRIFICATION
NITROGEN CYCLE
NITROGEN FIXING BACTERIA

NITROGEN FIXING BACTERIA 7
NOTE: The taking of nitrogen from the atmosphere and the soil by bacteria and converting it to a form useful to plants
BT BACTERIA
RT AEROBIC BACTERIA
--ANAEROBIC BACTERIA
MARINE BACTERIA
NITROGEN FIXATION
PHOTOSYNTHETIC BACTERIA
SOIL BACTERIA
--SOIL MICROORGANISMS

NITROGEN METABOLISM 7 BT METABOLISM

NITROGEN OXIDE 7 NT NITROGEN DIOXIDE NITROGLYCERIN 2 4
RT AMMONIUM NITRATE
DYNAMITE
--EXPLOSIVES
NITROGEN
NITROMETHANE

NITROMETHANE 2 4
BT EXPLOSIVES
RT AMMONIUM NITRATE
NITROGEN
NITROGLYCERIN
SOLVENTS

NO FINES CONCRETES 3
UF POPCORN CONCRETE
BT CONCRETES

NO SLUMP CONCRETE 3
BT CONCRETES
RT SLUMP
SLUMP TESTS

NODES 2 4
NOTE: Point, line, or surface
of standing wave system at
which the amplitude is zero
RT--ELASTIC WAVES
STANDING WAVES (SOLID MEDIA)
--VIBRATIONS

NOISE CONTROL 2 3 6 7 use NOISE REDUCTION

NOISE ELIMINATION 2 3 6 7 use NOISE REDUCTION

NOISE REDUCTION 2 3 6 7
UF NOISE CONTROL
NOISE ELIMINATION
RT ACOUSTIC FILTERS
ACOUSTIC INSULATION
ACOUSTICS
INSULATING BOARDS
--NOISE (SOUND)
SOUND TRANSMISSION

NOISE (SOUND) 3 6 7
UF ACOUSTIC NOISE
BT SOUND WAVES
NT SONIC BOOM
RT ACOUSTICS
NOISE REDUCTION

NOMENCIATURE 1 2 3 4 5 6 7
NT GEOLOGIC NOMENCIATURE
RT ABBREVIATIONS
GLOSSARIES
--LANGUAGES
THESAURI

NOMOGRAMS 1 2 6 use NOMOGRAPHS

NOMOGRAPHS 1 2 6
RT--CHARTS
COMPUTATION
--DIAGRAMS
--GRAPHICAL METHODS
NOMOGRAPHY

NOMOGRAPHY 1 2 6
BT NUMERICAL ANALYSIS
RT GRAPHICAL METHODS
NOMOGRAPHS

NON-EUCLIDEAN GEOMETRY 6
use DIFFERENTIAL GEOMETRY

NON-NEWTONIAN FLOW
BT FLOW
FLUID FLOW
RT RHEOLOGY
--STRESSES
THIXOTROPY

NONCIRCULAR CONDUITS 1 2
UF RECTANGULAR CONDUITS
BT CONDUITS
RT--CANALS
CORRUGATED METAL PIPES

NONCOHESIVE SOILS 2 5
use COHESIONLESS SOILS

The second section is a second second

NONDESTRUCTIVE MEASUREMENT 1 2 5
RT ELECTRICAL RESISTANCE METHODS
--GEOPHYSICAL EXPLORATION
--NONDESTRUCTIVE TESTS
NUCLEAR METHODS
X RAY ANALYSIS

NONDESTRUCTIVE TESTS 1 2 3 5 6
NT SONIC TESTS
ULTRASONIC PULSE
VELOCITY TESTS
RT ACCEPTANCE TESTS
DYNAMIC MODULUS OF ELASTICITY
ELECTRICAL RESISTANCE METHODS
FILIDROSCOPES

FLUCTRICAL RESISTANCE METRO
FLUCROSCOPES
--IMPACT TESTS
INSPECTION
LOW TEMPERATURE TESTS
NONDESTRUCTIVE MEASUREMENT
NUCLEAR METHODS
PIEZOELECTRICITY
PIPE TESTS
--QUALITY CONTROL

--QUALITY CONTROL
RADIATION TESTS
--RADIOGRAPHY
SONISCOPES
--STATIC TESTS
TEST PROCEDURES
TOLERANCES (MECHANICS)
--ULTRASONIC TESTS
X RAY INSFECTION
X RAYS

NONEQUILIBRIUM EQUATION 1 use THEIS EQUATION

NONEQUILIBRIUM FLOW 1
BT FLUID FLOW
GAS FLOW
RT--EQUILIBRIUM FLOW
--UNSTEADY FLOW

NONEVAPORABLE WATER (CONCRETE) 3
use WATER OF HYDRATION

NONLINEAR ALGEBRAIC EQUATIONS
BT ALGEBRA
THEORY OF EQUATIONS
RT--NONLINEAR DIFFERENTIAL
EQUATIONS
POLYNOMIALS

NONLINEAR DIFFERENTIAL EQUATIONS
BT DIFFERENTIAL EQUATIONS
REAL VARIABLES
NT VAN DER POL DIFFERENTIAL
EQUATION
RT NONLINEAR ALGEBRAIC
EQUATIONS

NONLINEAR MECHANICS 6

NONLINEAR PROGRAMMING 6
BT MATHEMATICAL PROGRAMMING
OPERATIONS RESEARCH
RT LINEAR PROGRAMMING

NONLINEAR SYSTEMS 1 6
NOTE: Dynamic systems having
a nonlinear response
RT--CONTROL EQUIPMENT
LINEAR SYSTEMS

NONMETALS 7
NT CARBON
NITROGEN
OXYGEN
PHOSPHORUS
RT ISOTOPES
MINERALS

NONNAVIGABLE WATERS 1 RT--NAVIGABLE WATERS --RIVERS

NONNUCLEAR WEAPONS 4
use CONVENTIONAL WEAPONS

NONSKID COMPOUNDS 2 5 RT--COATINGS NONSKID SURFACES SKID RESISTANCE

NONSKID SURFACES 2 3 5
UF ANTISKID SURFACES
RT--ANTISKID DEVICES
HYDROPLANING
--LANDING MATS
MEMBRANES (AIRFIELDS)
NONSKID COMPOUNDS
--PAVEMENTS
SEAL COATS
SKID RESISTANCE
SURFACE FRICTION
SURFACE ROUGHNESS (PAVEMENTS)
TIRE-PAVEMENT INTERACTION

NONUNIFORM FLOW 1
BT FLOW
FLUID FLOW
RT AERODYNAMICS
BACKWATER PROFILES
FLOW AROUND OBJECTS
FLOW PATTERNS
--GAS FLOW
TRANSIENT FLOW
TURBULENT FLOW
UNIFORM FLOW
UNIFORM FLOW

NORMAL CONSISTENCY TESTS 3
BT CONSISTENCY TESTS
RT FLOW TABLE TESTS (MORTARS)

NORMAL STRAIN 1 2
BT STRAINS
RT AXIAL STRÂIN
LATERAL STRAIN
--NORMAL STRESS
SHEAR STRAIN
STRAIN RATE

NORMAL STRESS 1 2 3 4
BT STRESSES
NT COMPRESSIVE STRESS
TENSILE STRESS
RT MOHR CIRCLE
NORMAL STRAIN
PRINCIPAL STRESS
SHEAR STRESS
TOTAL STRESS
UPLIFT PRESSURE

NORMALLY CONSOLIDATED SOILS
RT OVERBURDEN
OVERCONSOLIDATED SOILS
OVERCONSOLIDATION
STRESS HISTORY
UNCONSOLIDATED SOILS
UNDERCONSOLIDATION

NOZZLES 1 3
NT SUPERSONIC NOZZLES
RT HOSES
HYDRAULIC EXCAVATION
--HYDRAULIC TURBINES
INJECTORS

NUCLEAR ENERGY (Con.)
--RADIOACTIVE MINERALS
RADIOACTIVITY
RADIOLOGICAL DEFENSE
RADIOLOGICAL WARFARE NOZZLES (Con.)

JET DIFFUSION

JETS (FLUIDS)

--ORIFICES --PIPES SHOTCRETE SUBMERGED ORIFICES TURBINE COMPONENTS NUCLEAR ENERGY (PEACEFUL USES)
use PEACEFUL USES OF NUCLEAR --TURBINES ENERGY NUCLEAR CRATERS 2 3 4
BT CRATERS
RT BLAST EFFECTS
CRATER EJECTA
CRATER FALLBACK
HIGH EXPLOSIVE CRATERS
--NUCLEAR EXCAVATION
--NUCLEAR EXPLOSION EFFECTS
NUCLEAR EXPLOSION SIMULATION
--NUCLEAR EXPLOSIONS
NUCLEAR WEAPONS EFFECTS NUCLEAR ENGINEERING 2 3 4 6 UF NUCLEONICS RT ATOMS MECHANICAL ENGINEERING -NUCLEAR EQUIPMENT
-NUCLEAR EXCAVATION
-NUCLEAR EXPLOSIONS
NUCLEAR PHYSICS
NUCLEAR POWER PLANTS
-NUCLEAR RADIATION NUCLEAR REACTORS
NUCLEAR WARFARE
--NUCLEAR WEAPONS
RADIOACTIVE CONTAMINATION
--RADIOACTIVITY
RADIOACTIVITY NUCLEAR DEBRIS 4
UF DEBRIS (RADIOACTIVE)
RT CRATER EJECTA
--NUCLEAR EXPLOSION SIMULATION
NUCLEAR EXPLOSIONS
NUCLEAR EXPLOSIONS
NUCLEAR WEAPONS EFFECTS
BADIOACTURE PALLORY RADIOCHEMISTRY RADIOLOGICAL DEFENSE SAFETY ENGINEERING THERMODYNAMICS RADIOACTIVE FALLOUT URANIUM NUCLEAR DECONTAMINATION 6
use RADIATION DECONTAMINATION NUCLEAR EQUIPMENT 2 5
UF NUCLEAR INSTRUMENTS
NT GAMMA RAY SPECTROMETERS
NEUTRON COUNTERS
RADIATION MEASURING
INSTRUMENTS
ULTRAVIOLET INSTRUMENTS
RT--ELECTROMAGNETIC RADIATION
IRRADIATION NUCLEAR DENSITY METERS USE NUCLEAR METHODS 2 5 NUCLEAR DETECTION 4 5
BT DETECTION
RT--NUCLEAR EQUIPMENT
NUCLEAR EXPLOSION DETECTION
ORDNANCE DETECTORS --ELECTROMAGNETIC RADIAT IRRADIATION
--MEASURING INSTRUMENTS
NUCLEAR DETECTION
NUCLEAR ENGINEERING
NUCLEAR METHODS
--NUCLEAR RADIATION
--SOIL DENSITY MEASURING
DEVICES NUCLEAR EMULSION COUNTERS BT MEASURING INSTRUMENTS RADIATION MEASURING INSTRUMENTS RT GAMMA COUNTERS SOIL MOISTURE MEASURING DEVICES NUCLEAR ENERGY 2 4
UF ATOMIC ENERGY
NOTE: Use of more specific
term is recommended; consult
the terms listed below
ATOMS
FIEOTROUS NUCLEAR EXCAVATION 1 2 3 4 BT EXCAVATION EXPLOSIVE EXCAVATION NT OVEREXCAVATION RT--CANALS ELECTRONS --CHANNELS CRATER EJECTA ISOTOPES NEUTRONS NUCLEAR ENGINEERING NUCLEAR EXCAVATION NUCLEAR EXPLOSION EFFECTS -- CRATERING HARBORS NUCLEAR CRATERS
NUCLEAR DEBRIS
NUCLEAR ENGINEERING
--NUCLEAR EXPLOSIONS
--PEACEFUL USES OF NUCLEAR
ENERGY NUCLEAR EXPLOSIONS NUCLEAR FUSION NUCLEAR FUSION
NUCLEAR PHYSICS
NUCLEAR POWER PLANTS
NUCLEAR RADIATION
NUCLEAR REACTOR CONTAINMENT
NUCLEAR REACTORS
NUCLEAR WARFARE
NUCLEAR WARFARE DEFENSE
NUCLEAR WEAPONS
NUCLEAR WEAPONS EPFECTS
PEACEFUL USES OF NUCLEAR
ENERGY ENERGY RAPID EXCAVATION SOIL DISPLACEMENT METHODS NUCLEAR EXPLOSION DETECTION
BT DETECTION
RT MISSILE DETECTION
NUCLEAR DETECTION
--NUCLEAR EXPLOSIONS
NUCLEAR WARFARE DEFENSE
RADAR DETECTION
SEISMIC DETECTION ENERGY PROTONS PROTONS
RADIATION EPFECTS
RADIATION HAZARDS
RADIATION INJURIES
RADIATION MEASURING
INSTRUMENTS NUCLEAR EXPLOSION EFFECTS '2 4 BT EXPLOSION EFFECTS
NT NUCLEAR WEAPONS EFFECTS
RT AIR BLAST INDUCED GROUND
MOTION RADIOACTIVE CONTAMINATION RADIOACTIVE FALLOUT RADIOACTIVE ISOTOPES RADIOACTIVE MATERIALS --BLAST EFFECTS BLAST LOADS

CIVIL DEFENSE

NUCLEAR EXPLOSION EFFECTS (Con.) CRATER EJECTA NUCLEAR FISSION (Con.)
NUCLEAR WARHEADS
--NUCLEAR WEAPONS DISASTERS DYNAMIC PRESSURE RADIOACTIVE MATERIALS NUCLEAR FUSION 4
UF FUSION (NUCLEAR)
RT FUSION WEAPONS
--NUCLEAR EXPLOSIONS
NUCLEAR FISSION
NUCLEAR RADIATION
NUCLEAR WARPARE
NUCLEAR WARPARE
NUCLEAR WARPADS
--NUCLEAR WEAPONS
RADIOACTIVE MATERIALS
THERMONUCLEAR ENERGY FIREBALLS HIGH EXPLOSIVE SIMULATION TECHNIQUE (HEST)
NUCLEAR CRATERS
NUCLEAR DEBRIS
NUCLEAR EXPLOSION SIMULATION
--NUCLEAR EXPLOSIONS
--NUCLEAR RADIATION
NUCLEAR WARFARE
--NUCLEAR WEAFONS
OVERPRESSURE NUCLEAR INSTRUMENTS 5
use NUCLEAR EQUIPMENT PROTECTIVE CONSTRUCTION -- RADIATION --RADIATION
RADIATION DAMAGE
--RADIATION EFFECTS
RADIATION HAZARDS
RADIATION HAZARDS
RADIATION PROTECTION
RADIOACTIVE CONTAMINATION
RADIOACTIVE FALLOUT
RADIOACTIVITY
SETSMIC WAVES NUCLEAR LOGGING UF RADIOACTIVE LOGGING BT LOGGING BOREHOLE LOGGING DENSILOGS RADIOACTIVITY 3-D LOGGING WELL LOGGING --SEISMIC WAVES NUCLEAR MAGNETIC RESONANCE 3 NUCLEAR EXPLOSION SIMULATION JOLEAR EXPLOSION SIMULATION
BT SIMULATION
RT HIGH EXPLOSIVE SIMULATION
TECHNIQUE (HEST)
NUCLEAR CRATERS
NUCLEAR DEBRIS
--NUCLEAR EXPLOSION EFFECTS
--NUCLEAR EXPLOSIONS NUCLEAR METHODS 2 5 NOTE: Density and moisture content determination by measurement of nuclear emissions UF NUCLEAR DENSITY METERS NUCLEAR DENSITY METERS
NUCLEAR MOISTURE METERS
FIELD CONTROL TESTS (SOILS)
FIELD TESTS
FIELD UNIT WEIGHT DETERMINATION NUCLEAR EXPLOSIONS 2 3 4
UF ATOMIC EXPLOSIONS
BT EXPLOSIONS
NT CONTAINED NUCLEAR EXPLOSIONS TION FIELD WATER CONTENT DETERMI-UNDERGROUND NUCLEAR EXPLOSIONS
UNDERWATER NUCLEAR EXPLOSIONS
AERIAL EXPLOSIONS
AIR BLAST WAVES UNIT WEIGHT DETERMINATION
WATER CONTENT DETERMINATION
(SOILS)
-ELECTROMAGNETIC RADIATION ATOMS CIVIL DEFENSE ATOMS
CIVIL DEFENSE
DECOUPLING
FALLOUT SHELTERS
FISSION WEAPONS
FUSION WEAPONS
HIGH ALTITUDE EXPLOSIONS
NUCLEAR CRATERS
NUCLEAR ENGINEERING
--NUCLEAR EXCAVATION
NUCLEAR EXPLOSION EFFECTS
NUCLEAR EXPLOSION DETECTION
--NUCLEAR EXPLOSION SIMULATION
NUCLEAR FISSION
NUCLEAR FISSION
NUCLEAR FUSION
NUCLEAR PHYSICS
NUCLEAR PHYSICS
NUCLEAR WARFARE
NUCLEAR WARFARE
NUCLEAR WARFARE
NUCLEAR WARFARE
NUCLEAR WARFARE
NUCLEAR WARFARE
SHOCK SPECTRA
--SEISMIC WAVES
SHOCK SPECTRA
--SHOCK WAVES GAMMA PROBES GAMMA RAYS MANUAL RAIS
NEUTRON COUNTERS
NONDESTRUCTIVE MEASUREMENT
NONDESTRUCTIVE TESTS
--NUCLEAR EQUIPMENT
--NUCLEAR RADIATION
RADIOACTIVITY SOIL DENSITY
-SOIL DENSITY MEASURING DEVICES
SOIL MOISTURE MEASURING DEVICES -- SOIL PROPERTY MEASUREMENTS NUCLEAR MOISTURE METERS use NUCLEAR METHODS NUCLEAR PHYSICS UF NUCLEONICS RT ATOMS 2 3 4 NUCLEAR ENGINEERING
--NUCLEAR EXPLOSIONS
NUCLEAR PROPERTIES
--NUCLEAR KADIATION SHOCK SPECTRA NUCLEAR REACTORS QUANTUM THEORY SURFACE EXPLOSIONS RADIOACTIVE MATERIALS -RADIOACTIVE MINERALS UNDERGROUND EXPLOSIONS NUCLEAR FIREBALLS RADIOACTIVITY RADIOCHEMISTRY use FIREBALLS NUCLEAR FISSION 4
UF FISSION (NUCLEAR)
HT FISSION WEAPONS
--NUCLEAR EXPLOSIONS
NUCLEAR FUSION NUCLEAR POWER PLANTS 1 2 3 4 0
UF ATOMIC PLANTS
BT ELECTRIC POWER PLANTS
RT--ELECTRIC POWER GENERATION
ELECTRICAL ENERGY
INDUSTRIAL PLANTS
PEACEFUL USES OF NUCLEAR
ENERGY 123467 NUCLEAR RADIATION NUCLEAR WARFARE

NUCLEAR POWER PLANTS (Con.)
NUCLEAR ENGINEERING
NUCLEAR REACTORS THERMAL POWER PLANTS

NUCLEAR PROPERTIES 4 RT NUCLEAR PHYSICS

NUCLEAR RADIATION BT RADIATION NT ALPHA RAYS BETA RAYS GAMMA RAYS BETA PARTICLES CIVIL DEFENSE FALLOUT SHELTERS FISSION WEAPONS FUSION WEAPONS NEUTRONS MEUTRONS

NUCLEAR ENGINEERING

-NUCLEAR EQUIPMENT

-NUCLEAR EXPLOSION EFFECTS

-NUCLEAR EXPLOSIONS

NUCLEAR FISSION

NUCLEAR FISSION

NUCLEAR METHODS

NUCLEAR METHODS

NUCLEAR PHYSICS

NUCLEAR WARPARE

-NUCLEAR WARPARE

NUCLEAR WEAPONS

NUCLEAR WEAPONS EFFECTS

NEUTRONS

PROTECTIVE CONSTRUCTION

NEUTRONS
PROTECTIVE CONSTRUCTION
-PROTECTIVE STRUCTURES
--RADIATION EFFECTS
RADIATION HAZARDS
RADIATION INJURIES
RADIATION PROTECTION
RADIOACTIVE CONTAMINATION
RADIOACTIVE DECAY
RADIOACTIVE PALLOUT
--RADIOACTIVE ISOTOPES
RADIOACTIVE MATERIALS
--RADIOACTIVE MINERALS
RADIOACTIVE MINERALS
RADIOACTIVEY

RADIOACTIVITY
RADIOLOGICAL DEFENSE
RADIOLOGICAL WARFARE

NUCLEAR REACTOR CONTAINMENT 3
UF ATOMIC REACTOR CONTAINMENT
BT CONTAINMENT
RT NUCLEAR REACTORS
PRESSURE VESSELS SAFETY SAFETY ENGINEERING

NUCLEAR REACTORS 2 3 4
UF ATOMIC REACTORS
PRESSURIZED WATER REACTORS
REACTORS (NUCLEAR)

RT--HEAT NUCLEAR ENGINEERING
NUCLEAR PHYSICS
NUCLEAR POWER PLANTS
NUCLEAR REACTOR CONTAINMENT
PEACEFUL USES OF NUCLEAR
ENERGY PRESSURE VESSELS RADIATION SHIELDING

NUCLEAR ROCKETS (NUCLEAR WEAPONS) 4 ROCKETS

NUCLEAR SHIELDING 3 4
use RADIATION SHIELDING

NUCLEAR WARFARE 4 UP ATOMIC WARFARE BT WARFARE T WARPARE
T CIVIL DEFENSE
NUCLEAR ENGINEERING
--NUCLEAR EXPLOSION EFFECTS
--NUCLEAR EXPLOSIONS
NUCLEAR FISSION
NUCLEAR FUSION NUCLEAR WARFARE (Con.)
NUCLEAR RADIATION
NUCLEAR WARFARE DEFENSE
--NUCLEAR WEAPONS
NUCLEAR WEAPONS EFFECTS RADIOLOGICAL WARFARE

NUCLEAR WARFARE DEFENSE 4
RT AIRCRAFT SHELTERS
BLAST RESISTANT STRUCTURES BLAST RESISTANT STRUCTURES
CIVIL DEFENSE
FALLOUT SHELTERS
FIRE PROTECTION
HARDENED INSTALLATIONS
HARDENING (SYSTEMS)
NUCLEAR EXPLOSION DETECTION
-NUCLEAR EXPLOSIONS
NUCLEAR WARFARE
-NUCLEAR WEAPONS
PROTECTIVE CONSTRUCTION
-PROTECTIVE STRUCTURES
RADIOLOGICAL DEFENSE
-SHELTERS --SHELTERS
--UNDERGROUND STRUCTURES

NUCLEAR WARHEADS UF NUCLEAR ROCKETS (NUCLEAR
WEAPONS) WEAPONS)
PISSION WEAPONS
FUSION WEAPONS
HIGH EXPLOSIVE WARHEADS
MISSILE WARHEADS
--NUCLEAR EXPLOSIONS
NUCLEAR FISSION
NUCLEAR FUSION
--NUCLEAR WEAPONS

NUCLEAR WASTES CLEAR WASTES 3 4 7

NUCLEAR WEAPONS INCLEAR WEAPONS 4
BT WEAPONS
NT FISSION WEAPONS
FUSION WEAPONS
FUSION WEAPONS
RT BALLISTIC MISSILES
--BOMBS (ORDNANCE)
DEMOLITION CHARGES
DEPTH CHARGES -EXPLOSIVES GUIDED MISSILES GUIDED MISSILES

-MISSILES
NUCLEAR ENGINEERING
-NUCLEAR EXPLOSION EFFECTS
-NUCLEAR EXPLOSIONS
NUCLEAR FISSION
NUCLEAR FISSION
NUCLEAR FUSION
NUCLEAR RADIATION
NUCLEAR WARFARE
NUCLEAR WARFARE
DEFENSE
NUCLEAR WARFARE
-PROJECTILES
RADIOLOGICAL WARFARE
-ROCKETS -- ROCKETS --WARHEADS WEAPON SYSTEMS

NUCLEAR WEAPONS EFFECTS 2 4 EXPLOSION EFFECTS
NUCLEAR EXPLOSION EFFECTS
WEAPONS EFFECTS
AIR BLAST INDUCED GROUND MOTION BLAST EFFECTS BLAST LOADS CIVIL DEFENSE DISASTERS
DYNAMIC PRESSURE
FALLOUT SHELTERS
FIREBALLS FIREBALLS
GROUND SHOCK
NUCLEAR CRATERS
NUCLEAR DEBRIS
-NUCLEAR EXPLOSIONS
-NUCLEAR RADIATION
NUCLEAR WARFARE

NUCLEAR WEAPONS EFFECTS (Con.) --NUCLEAR WEAFONS
OVERPRESSURE
PROTECTIVE CONSTRUCTION
--PROTECTIVE STRUCTURES -PROTECTIVE STRUCTURES
RADIATION DAMAGE
-RADIATION EFFECTS
RADIATION HAZARDS
RADIATION INJURIES
RADIATION PROTECTION
RADIOACTIVE CONTAMINATION
RADIOACTIVE FALLOUT
RADIOACTIVITY
SETSMIC MANES --SEISMIC WAVES --SHELTERS -- SHOCK WAVES NUCLEONICS 3 4
use NUCLEAR ENGINEERING NUCLEAR PHYSICS NULL INDIGATORS 2 4
NOTE: Devices that indicate
when current, voltage, or
power is zero
BT MEASURING INSTRUMENTS SENSORS RT--PRESSURE GAGES IMBERS 6
NT REAL NUMBERS
RT--THEORY OF NUMBERS NUMBERS (THEORY OF) 6
use THEORY OF NUMBERS NUMERICAL ANALYSIS 1234567
NOTE: Development and analysis
of computational methods for
obtaining solutions to problems
UF NUMERICAL METHODS
NT DIFFERENCE EQUATIONS
ERROR ANALYSIS
BULLTE DIFFERENCE METHOD PINITE DIFFERENCE METHOD FINITE ELEMENT METHOD FOURIER ANALYSIS FREQUENCY ANALYSIS GAUSSIAN DISTRIBUTION INTERPOLATION LEAST SQUARES METHOD MATRIX ANALYSIS MONTE CARLO METHOD NOMOGRAPHY NUMERICAL DIFFERENTIATION NUMERICAL INTEGRATION NUMERICAL INTEGRATION RELAXATION METHOD -STATISTICAL ANALYSIS STATISTICAL DISTRIBUTIONS STATISTICAL QUALITY CONTROL STATISTICS ALGORITHMS

APPROXIMATION METHOD
COMPUTER ANALYSIS
COMPUTER PROGRAMMING
COMPUTER PROGRAMS
--COMPUTERS
--DIPFERENTIAL EQUATIONS
EMPIRICAL EQUATIONS
FOURIER SERIES
FOURIER TRANSFORMATION
LEAST SQUARES METHOD
--MATHEMATICAL MODELS
MATHICES (MATHEMATICS)
MOBILITY NUMBERS
NOMOGRAPHS
NUMERICAL CALCULATIONS
TENSOR ANALYSIS
VECTOR ANALYSIS

NUMERICAL CALCULATIONS 2 6
RT CALCULATORS
--COMPUTERS
--NUMERICAL ANALYSIS

NUMERICAL CONTROL 6
RT--AUTOMATIC CONTROL
AUTOMATION
STANDARDIZATION

NUMERICAL DIFFERENTIATION 1 2 BT NUMERICAL ANALYSIS RT--DIFFERENTIAL EQUATIONS

NUMERICAL INTEGRATION 1 2 6
BT NUMERICAL ANALYSIS
RT--DIFFERENTIAL EQUATIONS
FINITE DIFFERENCE METHOD
INTEGRAL CALCULUS
INTEGRAL EQUATIONS

NUMERICAL METHODS 1 2 3 4 5 6 7 use NUMERICAL ANALYSIS

NUMERICAL MODELS 1 2 3 4 5 6 7 use MATHEMATICAL MODELS

NUMERICAL SIMULATION 6
BT SIMULATION
RT COMPUTER ANALYSIS
COMPUTER APPLICATIONS
COMPUTER PROGRAMMING
--MATHEMATICAL MODELS

NUMERICS (MOBILITY) 5
use MOBILITY NUMBERS

NUTRIENT CYCLING 7
use CYCLING NUTRIENTS

NUTRIENT REQUIREMENTS
RT ALGAL NUTRIENTS
--NUTRITION
--PRODUCTIVITY

NUTRIENTS 7
NOTE: Environmental substances
involved in energy transfer,
neccessary for the growth and
development of plants and
animals
NT ALGAL NUTRIENTS
CYCLING NUTRIENTS
RT BIOSTIMULATION
DYSTROPHY
ENRICHMENT
EUTROPHICATION
FERTILIZERS
OLIGOTROPHY
PROTEINS
TERTIARY TREATMENT
WATER PROPERTIES
WATER QUALITY

NUTRITION 7
NOTE: Sum total of the processes by which an organism secures and utilizes the materials necessary for the continuation of life
NT PLANT NUTRITION
RT--METABOLISM
NUTRIENT REQUIREMENTS
--PHYSIOLOGY

NYLON FIBERS 2 3 5
BT FIBERS
SYNTHETIC FIBERS
RT PHENOLIC COMPOUNDS
POLYAMIDE RESINS
--REINFORCING MATERIALS

NYLON RESINS 2 5 USE POLYAMIDE RESINS

OCEAN BOTTOM (Con.)
MARINE GEOLOGY
MARINE MINING
MARINE SEISMICS OBSERVATION AIRCRAFT 2 4
use RECONNAISSANCE AIRCRAFT OBSERVATION WELLS
BT WATER WELLS 1 2 OCEAN BOTTOM SAMPLERS
OCEAN BOTTOM VEHICLES
OCEAN ENGINEERING
OCEANIC REGIONS WELLS RT--DAM INSTRUMENTATION
--DAM PERFORMANCE --DRAWDOWN
EXPLORATORY WELLS
--FIELD PERMEABILITY TESTS
GAS RESERVOIRS OCEANOGRAPHY --OCEANS SEDIMENT SAMPLING
--SEDIMENTATION --SEDIMENTATION
STREAM BEDS
SUBMARINE TOPOGRAPHY
TRENCHES (OCEANIC)
TROUGHS (OCEANIC)
UNDERWATER ACOUSTICS
UNDERWATER DEMOLITION
UNDERWATER EXCAVATION
--UNDERWATER EXCEVATION
--UNDERWATER NUCLEAR EXPLOSIONS
UNDERWATER OBJECT LOCATORS
UNDERWATER OBJECT LOCATORS
UNDERWATER OBDINANCE --GROUNDWATER --HYDROGRAPHS OIL RESERVOIRS --PIEZOMETERS PUMPING TESTS (WELLS)
--WATER TABLE WELLPOINTS OBSIDIAN 2 3 BT EXTRUSIVE ROCKS UNDERWATER OBJECT LOCA UNDERWATER PIPELINES UNDERWATER STORAGE UNDERWATER STRUCTURES UNDERWATER SURVEYS IGNEOUS ROCKS ROCKS PERLITE PUMICE OBSTACLE-WHEEL INTERACTION 5 UP WHEEL-OBSTACLE INTERACTION RT--OBSTACLES OCEAN BOTTOM SAMPLERS 1 UF SEA BOTTOM SAMPLERS SOIL-WHEEL INTERACTION VEHICLE ANGLE OF BREAK OCEANOGRAPHIC INSTRUMENTS SAMPLERS MARINE DEPOSITS
MARINE GEOLOGY
MARINE MINING
OCEAN BOTTOM OBSTACLES 5
NOTE: A definable environmental feature that inhibits the movement of a vehicle
UF BARRIERS (VEHICLES)
BT TERRAIN FACTORS SEDIMENT SAMPLERS SEDIMENT SAMPLING -- SOIL SAMPLERS OCEAN BOTTOM VEHICLES 1 5
NOTE: Includes any vehicle that
travels on the bottom of a
body of water
BT UNDERWATER VEHICLES
RT OCEAN BOTTOM BOULDERS APPROACH GEOMETRY CRATER EJECTA --CRATERS MICROGEOMETRY -MOBILITY
OBSTACLE-WHEEL INTERACTION
OFF-ROAD MOBILITY
-ROUGHNESS OCEAN CIRCULATION BT WATER CIRCULATION RT HYDRODYNAMICS --SURFACE GEOMETRY --SURFACE GEOMETRY FACTORS --METEOROLOGY OCEAN CURRENTS OBSTACLES (FLOW AROUND)
use FLOW AROUND OBJECTS OCEANOGRAPHY OCEAN CURRENT VELOCITY
UF CURRENT VELOCITY OBSTRUCTION TO FLOW 1
RT ALTERATION OF FLOW
BAFFLE PIERS
--BARRIERS
--BUTERSTON RT OCEAN CURRENTS OCEAN CURRENTS 1
BT WATER CURRENTS
RT COASTS
CORIOLIS FORCE DIVERSION DIVERSION STRUCTURES GROUNDWATER BARRIERS NATURAL FLOW DOCTRINE --PIERS (SUPPORTS) --STREAM FLOW STREAM FLOW DEPLETION LITTORAL CURRENTS
LITTORAL DRIFT
LITTORAL ZONE
OCEAN CIRCULATION
OCEAN CURRENT VELOCITY OCEAN BEACHES 1 2 3 5 6 7 OCEAN WAVES OCEANOGRAPHY OCEAN BOTTOM 1 2 3 4 5 7
UF OCEAN FLOOR
SEA BOTTOM
SEA FLOOR
RT-BENTHIC FLORA
BENTHIC FLORA
--BENTHOS OCEANS OFFSHORE CURRENTS THERMAL GRADIENTS TIDAL EFFECTS TIDAL HYDRAULICS TURBIDITY CURRENTS WATER CIRCULATION DEEPS (OCEANIC)
DEPTH FINDERS
HYDROLOGIC GEOMETRY
LAKE BEDS OCEAN DUMPING use OCEAN WASTE DISPOSAL LITTORAL ZONE MARINE DEPOSITS MARINE ENVIRONMENT CEAN ENGINEERING 1 2 6 7 RT DEEPS (OCEANIC) MARINE GEODESY MARINE SEISMICS OCEAN ENGINEERING

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OCEAN ENGINEERING (Con.)
OCEAN BOTTOM
OCEAN TIDES
OCEANOGRAPHY
                                                                                                                  OCEANOGRAPHIC INSTRUMENTS (Con.)
                                                                                                                           --ELECTRIC EQUIPMENT
OCEANOGRAPHY
                                                                                                                            -- RECORDING INSTRUMENTS
REMOTE CONTROL
             OCEANS
SEA LEVEL CHANGES
SUBMARINE TOPOGRAPHY
TIDAL HYDRAULICS
                                                                                                                           --SENSORS
THERMOMETERS
                                                                                                                               UNDERWATER ACOUSTICS
         UNDERWATER ACOUSTICS
UNDERWATER CONSTRUCTION
UNDERWATER PHOTOGRAPHY
--UNDERWATER STRUCTURES
                                                                                                                  OCEANOGRAPHY 1 2 7
NOTE: Application of all the physical and natural sciences to the study of the sea
RT ESTUARIES
--GEOMORPHOLOGY
             UNDERWATER SURVEYS
 OCEAN ENVIRONMENT 1 7
use MARINE ENVIRONMENT
                                                                                                                              GEOPHYSICS
HYDROGRAPHY
 OCEAN FLOOR 1 2 3 4 7
use OCEAN BOTTOM
                                                                                                                           HYDROGRAPHY
LITTORAL CURRENTS
MARINE ENGINEERING
MARINE GEODESY
MARINE MINING
CCEAN BOTTOM
CCEAN CIRCULATION
--OCEAN CURRENTS
 OCEAN TEMPERATURE
                                        1 3 6 7
           TEMPERATURE
OCEANS
WATER TEMPERATURE
     BT
 OCEAN TIDES
                                                                                                                              OCEAN ENGINEERING
OCEAN TIDES
                            1 2
     BT TIDES 1 2
BT TIDES
RT BEACH EROSION
EARTH TIDES
ESTUARIES
                                                                                                                              OCEAN WAVES
                                                                                                                              OCEANOGRAPHIC INSTRUMENTS
-OCEANS
              HYDROGRAPHY
                                                                                                                              SUBMARINE TOPOGRAPHY
THERMAL GRADIENTS
              MOON
              OCEAN ENGINEERING
              OCEANOGRAPHY
                                                                                                                               TIDAL HYDRAULICS
              OCEANS
SALT WATER INTRUSION
                                                                                                                               UNDERWATER PHOTOGRAPHY
              SALT WATER INTRUSTOR
SEA LEVEL CHANGES
TIDAL FLATS
TIDAL HYDRAULICS
TIDAL MARSHES
TIDAL POWER PLANTS
                                                                                                                  OCEANOGRAPHY AS A PROFESSION
                                                                                                                 OCEANS 1 2 6 7
UF SEAS
                                                                                                                     UF SEAS
BT SURFACE WATERS
TOPOGRAPHIC FEATURES
 OCEAN WASTE DISPOSAL 7
UF MARINE WASTE DISPOSAL
OCEAN DUMPING
                                                                                                                             APHOTIC ZONE
                                                                                                                              ATOLLS
     BT DISPOSAL
                                                                                                                          BAYS (TOPOGRAPHIC FEATURES)
--BEACHES
 OCEAN WATER 1
use SEA WATER
                                                                                                                          --COASTAL TOPOGRAPHIC FEATURES
COASTAL ZONE
                                                                                                                             COASTA ZONE
COASTS
CONTINENTAL SHELP
CONTINENTAL SLOPE
DEEPS (OCEANIC)
EARTH HYDROSPHERE
ESTUARIES
 OCEAN WAVES 1 7
BT WATER WAVES
WAVES
             SURF BEATS
TIDAL WAVES
TSUNAMIS
                                                                                                                              FJORDS
              BEACH EROSION
                                                                                                                              HYDROGRAPHIC SURVEYS
                                                                                                                             HYDROLOGIC CYCLE
HYDROLOGIC SURVEYS
          -- BEACHES
              BREAKERS (WATER WAVES)
                                                                                                                        HYDROLOGIC SURVEYS
ICEBERGS
LAGGONS (LANDFORMS)
LITTORAL ZONE
--MARINE ANIMALS
MARINE ENGINEERING
--NAVIGABLE WATERS
NERITIC ZONE
OCEAN BOTTOM
OCEAN CURRENTS
OCEAN TOMINEERING
OCEAN TEMPERATURE
OCEAN TIDES
--OCEAN WAVES
OCEANIC REGIONS
OCEANICAS
COEANICAS
SEA LEVEL
             -BREAKWATERS
HYDRODYNAMICS
              LITTORAL DRIFT
OCEAN CURRENTS
OCEANOGRAPHY
              SEAWALLS
              SHORE PROTECTION
          --TIDES
              WAVE FORMS
 OCEANIC REGIONS 1 2
           REGIONS
HYDROGRAPHY
             GEOGRAPHY
MARINE DEPOSITS
MARINE GEODESY
MARINE GEOLOGY
                                                                                                                            SEA LEVEL CHANGES
                                                                                                                        SEA LEVEL CHANGES
SEA WATER
SEA (WAVE CONDITION)
--SHORES
STRATIFICATION (WATER)
SUBMARINE TOPOGRAPHY
TERRITORIAL SEAS
THERMOCLINES
--TIDES
             OCEAN BOTTOM
OCEANOGRAPHY
              OCEANS
              SUBMARINE TOPOGRAPHY
 OCEANOGRAPHIC INSTRUMENTS
                                                         1 2 6
     NT OCEAN BOTTOM SAMPLERS
RT--AUTOMATIC CONTROL
                                                                                                                        --TIDES
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OCEANS (Con.) -- TROPICAL CYCLONES --WATER OCTAHEDRAL STRESS 3 4 ODOR CONTROL 7 RT--ABSORPTION ACTIVATED CARBON TREATMENT AERATION AIR POLLUTION ANAEROBIC PROCESSES
BIOCHEMICAL OXYGEN DEMAND
--DECONTAMINATION FILTRATION FUMES MASKING ODORS -- POLLUTION
-- POLLUTION CONTROL
PURIFICATION VENTILATION ODORS 1 2 7 RT AIR POLLUTION AIRBORNE WASTES ATTRACTANTS -- CHEMICAL PROPERTIES COMBUSTION PRODUCTS --EMISSIONS --EXHAUST GASES ODOR CONTROL -- ORGANIC SOILS PEAT SOIL CLASSIFICATION WATER ANALYSIS WATER QUALITY WATER PROPERTIES OEDOMETER TESTS use CONSOLIDATION TESTS (SOILS) **OEDOMETERS** use CONSOLIDOMETERS OFF-ROAD LOCOMOTION 5
use OFF-ROAD MOBILITY CROSS-COUNTRY MOVEMENT
OFF-ROAD LOCOMOTION OFF-ROAD MOBILITY OFF-ROAD LOCOMOTIC
BT MOBILITY
RT--FIELD TESTS
GROUND FLOTATION
HUMAN LOCOMOTION
JUNGLE TRAILS
--MILITARY VEHICLES
MOBILITY MODELS
MOBILITY NUMBERS -- OBSTACLES OFF-ROAD MOBILITY MAPS
--OFF-ROAD VEHICLES
RIDE DYNAMICS SLOPE PERFORMANCE SOFT SOILS SOIL-VEHICLE INTERACTION TERRAIN-VEHICLE INTERACTION TERRASTAR LOCOMOTION CONCEPT
-TRAFFICABILITY --VEHICLE PERFORMANCE VEHICLE SPEED VEHICLE STABILITY VISIBILITY OFF-ROAD MOBILITY MAPS UF CROSS-COUNTRY MOBILITY MAPS BT MAPS RT--MOBILITY OFF-ROAD MOBILITY TRAFFICABILITY MAPS

OFF-ROAD MOBILITY MODELS
use MOBILITY MODELS

OFF-ROAD TESTS
use FIELD TESTS OFF-ROAD VEHICLES FP-ROAD VEHICLES 5
UF CROSS-COUNTRY VEHICLES
NT AIROLL VEHICLES
--AMPHIBIOUS VEHICLES
--ARTICULATED VEHICLES BUOYANT SCREW VEHICLES
GOER VEHICLES
OVERLAND TRAIN
SKIDDERS (VEHICLES) SNOW VEHICLES
SNOWMOBILES TANKS (COMBAT VEHICLES)
-TRACKED VEHICLES
WALKING VEHICLES
AGRICULTURAL VEHICLES
-CARGO VEHICLES
-COMBAT VEHICLES --CONSTRUCTION EQUIPMENT
ELECTRIC VEHICLES
--PORESTRY VEHICLES
--LAND CLEARING VEHICLES
--LIGHT UTILITY VEHICLES
--LOGGING VEHICLES
MAINTENANCE VEHICLES
--MILITARY VEHICLES
MINE CLEARING ROLLERS
OFF-ROAD MOBILITY
PERSONNEL CARRIERS
RECONNAISSANCE VEHICLES
RECOVERY VEHICLES
SELF PROPELLED ARTILLERY
--SELF PROPELLED VEHICLES
SLEDS -- CONSTRUCTION EQUIPMENT SLEDS TERRASTAR LOCOMOTION CONCEPT TREE CRUSHERS --UNCONVENTIONAL VEHICLES
--WEAPON CARRIERS
--WHEELED VEHICLES OFFICE BUILDINGS 3
BT BUILDINGS
PUBLIC BUILDINGS
RT--COMMERCIAL BUILDINGS OFFSHORE BARRIERS use BARRIER BEACHES OFFSHORE CURRENTS 1
UP COASTAL CURRENTS
BT WATER CURRENTS
RT OCEAN CURRENTS OFFSHORE DRILLING BT DRILLING
RT DRILLING BARGES
--OFFSHORE STRUCTURES
--ROTARY DRILLING OFFSHORE PILE FOUNDATIONS BT DEEP FOUNDATIONS FOUNDATIONS MARINE STRUCTURES -OFFSHORE STRUCTURES PILE FOUNDATIONS OFFSHORE PLATFORMS 1 2 use OFFSHORE STRUCTURES OFFSHORE STRUCTURES OFFSHORE PLATFORMS MARINE STRUCTURES DOLPHINS OFFSHORE PILE FOUNDATIONS CAISSONS -COASTAL STRUCTURES DELONG PIERS
OFFSHORE DRILLING
STRUCTURAL ENGINEERING

OFFSHORE STRUCTURES (Con.)
UNDERWATER CONSTRUCTION
--UNDERWATER STRUCTURES
WATER WAVE ACTION ON
MARITIME STRUCTURES

OFFSHORE TERRACES 1 2

OGEE CRESTS 1
RT HYDRAULIC DESIGN
OVERPLOW
SKI-JUMP SPILLWAYS
SPILLWAY CREST PIERS
SPILLWAY CRESTS

OGEE SPILLWAYS 1
use OVERFLOW SPILLWAYS

OHMMETERS 1 6
BT ELECTRIC MEASURING
INSTRUMENTS
MEASURING INSTRUMENTS
RT ELECTRICAL MEASUREMENT
GALVANOMETERS
THERMOMETERS

OIL AND GAS FIELDS 2
RT GAS RESERVOIRS
GAS WELLS
--GEOPHYSICAL EXPLORATION
NATURAL GAS
OIL AND GAS MAPS
OIL RESERVOIRS
OIL SHALES
OIL WELLS
PETROLEUM
PETROLEUM ENGINEERING
PETROLEUM GEOLOGY

OIL AND GAS MAPS 2
BT MAPS
GAS RESERVOIRS
MINERAL MAPS
NATURAL GAS
OIL AND GAS PIELDS
OIL RESERVOIRS
OIL SHALES
PETROLEUM
PETROLEUM ENGINEERING
PETROLEUM GEOLOGY

OIL FIELD CORE BARRELS 2
BT CORE BORING SAMPLERS
ROTARY CORE BARRELS
SAMPLERS
RT OIL SHALES
OIL WELLS
PETROLEUM ENGINEERING
PETROLEUM GEOLOGY

OIL POLLUTION 1 2 3 7
NOTE: Pollution by oils,
especially oil spills on water
BT POLLUTION
WATER POLLUTION
RT OIL SPILL CONTROL
OIL-WATER INTERFACES
OIL WELLS
OILS
OILY WATER
PETROLEUM
STORAGE TANKS
--WATER POLLUTION

OIL RESERVOIRS 2
RT GAS RESERVOIRS
NATURAL GAS
--NATURAL RESOURCES
OBSERVATION WELLS
OIL AND GAS FIELDS
OIL AND GAS MAPS
OIL SHALES
OIL WELLS
PETROLEUM
PETROLEUM ENGINEERING
PETROLEUM GEOLOGY

OIL SHALES 2 3

ET ROCKS
SEDIMENTARY ROCKS
SHALES
SILICEOUS ROCKS
RT-BITUMENS
--CARBON
--ECONOMIC GEOLOGY
OIL AND GAS FIELDS
OIL AND GAS MAPS
OIL FIELD CORE BARRELS
OIL RESERVOIRS
PETROLEUM
PETROLEUM ENGINEERING

OIL SPILL CONTROL 1 7
RT--ABSORPTION
BIODEGRADATION
DISPERSANTS
OIL POLLUTION
OILY WATER
SKIMMING

OIL STORAGE TANKS 2 3 4 use STORAGE TANKS

OIL WASTES 7
BT WASTES
RT CHEMICAL WASTES
--INDUSTRIAL WASTES
WATER POLLUTION SOURCES

OIL-WATER INTERFACES 1 7
BT BOUNDARIES (SURFACES)
INTERFACES
RT--GROUNDWATER
OIL POLLUTION
--OILS
--WATER POLLUTION

OIL WELL CEMENTS 3
BT CEMENTS
RT BITUMINOUS CEMENTS
GYPSUM CEMENTS
--HYDRAULIC CEMENTS
LIME CEMENTS
--PORTLAND CEMENTS
--RETARDANTS

OIL WELL LOGGING 2

OIL WELLS 1 2 6 7
BT WELLS
RT-DEEP WELLS
--DRAWDOWN
GAS WELLS
NATURAL GAS
OIL AND GAS FIELDS
OIL FIELD CORE BARRELS
OIL POLLUTION
OIL RESERVOIRS
PETROLEUM
PETROLEUM ENGINEERING
PETROLEUM GEOLOGY
--ROTARY DRILLING
SALT WATER-FRESHWATER
INTERFACES
WELL CLOGGING

OILS 1 3 7
BT FLUIDS
NT LINSEED OIL
SULFONATED OIL
TALL OIL
RT OIL POLLUTION
OIL-WATER INTERFACES

OILY WATER 1 7
RT OIL FOLLUTION
OIL SPILL CONTROL
OIL-WATER INTERFACES
--WATER FOLLUTION

OLIGOCENE EPOCH 2 BT TERTIARY PERIOD OLIGOTROPHY 7
NOTE: Study of lakes characterized by abundant oxygen in
deep water as a consequence
of small nutrient supply and low productivity of organic material
DISSOLVED OXYGEN
DYSTROPHY EUTROPHICATION LIMNOLOGY --NUTRIENTS
OXYGEN
--PRODUCTIVITY
WATER QUALITY
WATER PROPERTIES OLIVINE BT MINERALS
SILICATE MINERALS
RT--IGNEOUS ROCKS SERPERTINE OMNIVORES NOTE: Organisms that feed on both animal and plant substances BT VERTEBRATES RT FOOD CHAINS NICHES TROPHIC LEVEL ON-ROAD LOCOMOTION 5
use ON-ROAD MOBILITY ON-ROAD MOBILITY 5
UF ON-ROAD LOCOMOTION
BT MOBILITY
RT HIGHWAYS
--MILITARY VEHICLES
RIDE DYNAMICS
ROAD TESTS (VEHICLES) --ROAD VEHICLES STREETS
--VEHICLE PERFORMANCE
VEHICLE SPEED ON-ROAD VEHICLES ON-SITE TESTS use FIELD TESTS ONE-DIMENSIONAL COMPRESSION TESTS 2
use CONSOLIDATION TESTS (SOILS) ONE-DIMENSIONAL FLOW 1 BT FLOW FLUID FLOW ONE-PASS PERFORMANCE 5
BT VEHICLE PERFORMANCE
RT--MOBILITY
PERFORMANCE PREDICTIONS
PERPORMANCE TESTS (VEHICLES) RUT DEPTH
VEHICLE CONE INDEX
VEHICLE SINKAGE
--VEHICLE TESTS ONE POINT COMPACTION TESTS 2
BT COMPACTION TESTS
SOIL TESTS (LABORATORY)
RT MOISTURE DENSITY RELATIONS ONE POINT LIQUID LIMIT TESTS
BT ATTERBERG LIMITS TESTS
INDEX TESTS
LIQUID LIMIT TESTS
SOIL TESTS (LABORATORY)
RT LIQUID LIMIT

OPACITY 5 7
RT OPTICAL DENSITY
TURBIDITY
VISIBILITY OPAL BT MINERALS OXIDES SILICA MINERALS RT--AGGREGATES
ALKALI AGGREGATE REACTIONS
QUARTZ SILICA OPEN CAISSONS CHICAGO CAISSONS UF GOW CAISSONS
CAISSONS
SAND ISLAND METHOD
(CAISSONS) OPEN CHANNEL FLOW BT CHANNEL FLOW FLOW FLUID FLOW LIQUID FLOW BACKWATER PROFILES CANAL DESIGN CHANNEL BEDS CHANNEL BENDS CHANNEL DESIGN CHANNEL DESIGN
CHEZY EQUATION
CONVERGING FLOW
CONVERGING SECTIONS
CRITICAL TRACTIVE FORCE
DARCY-WEISBACH EQUATION
DIVERGING SECTIONS DRAWDOWN CURVES ENTRANCE CHANNELS ENTRANCE CHANNELS
FLOW PATTERNS
FREE SURFACES
HYDRAULIC GRADIENTS
HYDRAULIC RADIUS
IRRIGATION DESIGN KUTTER FORMULA LAMINAR FLOW LAMINAR FLOW
LEA FORMULAS
MANNING EQUATION
NAVIGATION CONDITIONS
-OPEN CHANNELS
PERMISSIBLE VELOCITY
RIVER CURRENTS RIVER CURRENTS
ROUGHNESS COEFFICIENT
SALT VELOCITY METHOD
(DISCHARGE MEASUREMENT)
STAGE RECORDERS
STREAM CONFLUENCE
--STREAM FLOW
STREAMFLOW REGULATION
SUPERELEVATION OF BENDS
TEST CAMAIS TEST CANALS
TRANSLATORY WAVES
TRAPEZOIDAL CHANNELS
TUBBULENT FLOW
VELOCITY DISTRIBUTION
VELOCITY HEAD WATER FLOW WATER STAGE RECORDERS --WATER SURFACE PROFILES OPEN CHANNELS CHANNELS WATERWAYS (WATERCOURSES) NT--CANALS
--FLUMES (WATER CONVEYANCE STRUCTURES)
--LINED CANALS
--LINED CHANNELS
-UNLINED CHANNELS
UNLINED CHANNELS
RT--CONDUITS --DITCHES FLUVIAL HYDRAULICS FREE SURFACES HYDRAULIC GRADIENTS

OPEN CHANNELS (Con.)
HYDRAULIC JUMP
HYDRAULICS
JUNCTIONS
OPEN CHANNEL FLOW
TEST CANALS
TRAPEZOIDAL CHANNELS
TRAPEZOIDAL FLUMES
VEGETATED WATERWAYS
WATER WAVE MOTION IN OPEN
CHANNELS

OPEN DRAINS 1
BT DRAINS
RT--CULVERTS
--DRAINAGE
DRAINAGE ENGINEERING
DRAINAGE SYSTEMS
TOE DRAINS

OPEN DRIVE SAMPLERS 2
BT DRIVE SAMPLERS
SAMPLERS
SOIL SAMPLERS
NT SPLIT SPOON SAMPLERS
THICK WALL OPEN SAMPLERS
THIN WALL OPEN SAMPLERS
RT SURPACE SAMPLERS (SOILS)

OPEN END TESTS 2

NOTE: Tests for permeability measurements; a known amount of water is added to the open end of a pipe whose base is set at the desired position for the test

BT FIELD PERMEABILITY TESTS FIELD TESTS
PERMEABILITY TESTS
RT PRESSURE TESTS (DRILL HOLES) PUMPING TESTS (WELLS)

OPEN PIT MINING 2 7
BT MINING
NT QUARRIES
QUARRYING
RT COAL MINING
MINE WASTES
MINING ENGINEERING
--SPOIL
STRIP MINING

OPENWORK GRAVELS 2
BT COARSE GRAINED SOILS
GRANULAR MATERIALS
GRAVELS

OPERATIONAL CALCULUS 6
BT CALCULUS OF VARIATIONS
DIFFERENTIAL CALCULUS
FOURIER ANALYSIS
INTEGRAL CALCULUS
INTEGRAL TRANSPORMATIONS
LINEAR DIFFERENTIAL
EQUATIONS

OPERATIONS RESEARCH 5 6
NT CRITICAL PATH METHOD
DYNAMIC PROGRAMMING
GAME THEORY
LINEAR PROGRAMMING
LINEAR SYSTEMS
--MATHEMATICAL PROGRAMMING
NETWORK FLOWS
NONLINEAR PROGRAMMING
PERT
RT COMPUTER APPLICATIONS
COMPUTERIZED MODELS
COMPUTERIZED SIMULATION
COST ANALYSIS
COST EPPECTIVENESS
DYNAMIC PROGRAMMING
ENGINEERING RESEARCH
--FORECASTING
INFORMATION THEORY
--MANAGEMENT

OPERATIONS RESEARCH (Con.)
MANAGEMENT METHODS
--MATHEMATICAL MODELS
--MILITARY OPERATIONS
--MODELS
MONTE CARLO METHOD
NETWORK FLOWS
OPTINIZATION
--PLANNING
--PHEDICTIONS
PROBABILITY THEORY
--QUALITY CONTROL
QUEUEING THEORY
SCHEDULING
--SIMULATION
--STATISTICAL ANALYSIS
STATISTICAL TESTS
STOCHASTIC MODELS
--STOCHASTIC PROCESSES
SYSTEMS ANALYSIS
SYSTEMS ENGINEERING

OPTICAL DENSITY 5 7
RT CROWN CHARACTERISTICS
(VEGETATION)
FOG
OPACITY
OPTICAL PROPERTIES
--VEGETATION STRUCTURE
VEHICLE SPEED
VISIBILITY

VISIBILITY

OPTICAL INSTRUMENTS 1 2 3 0

UF INSTRUMENTS (OPTICAL)

NT-BOREHOLE CAMERAS
BOREHOLE TV CAMERAS
--CAMERAS
OPTICAL MICROSCOPES
OPTICAL SCANNERS
--TELESCOPES

RT COLORIMETRY
INTERPEROMETERS
--MEASURING INSTRUMENTS
--MICROSCOPES
--OFTICAL MEASUREMENT
OPTICAL PROPERTIES
PRISMS
--RECORDING INSTRUMENTS
--SENSORS
SPECTROMETERS
--SURVEYING INSTRUMENTS
OPTICAL MEASUREMENT

OPTICAL MEASUREMENT 1 RT--OPTICAL INSTRUMENTS OPTICAL PROPERTIES

OPTICAL MICROSCOPES 2 3
BT MICROSCOPES
OPTICAL INSTRUMENTS
RT ELECTRON MICROSCOPES

OPTICAL PROPERTIES 1 5 6
RT--DIFFRACTION
--ELECTRICAL PROPERTIES
GLASS
--LIGHT (ILLUMINATION)
OPTICAL DENSITY
--OPTICAL INSTRUMENTS
OPTICAL MEASUREMENT
OPTICS
PHOTOELECTRICITY
TURBIDITY
WATER PROPERTIES
WAVE DISPERSION

OPTICAL SCANNERS 6 BT OPTICAL INSTRUMENTS

OPTICS 6
RT--LIGHT (ILLUMINATION)
MATHEMATICAL PHYSICS
OPTICAL PROPERTIES
WAVE DISPERSION

ORDNANCE LOCATORS OPTIMIZATION 6 CORRELATION TECHNIQUES DIFFERENTIAL CALCULUS use ORDNANCE DETECTORS LEAST SQUARES METHOD LINEAR PROGRAMMING -OPERATIONS RESEARCH ORDOVICIAN PERIOD BT PALEOZOIC ERA ORE DEPOSITS --PLANNING --QUALITY CONTROL SCHEDULING use MINERAL DEPOSITS ORGANIC ACIDS OPTIMUM BITUMEN CONTENT 5 BT ACIDS RT--BITUMENS
BITUMINOUS SOIL STABILIZATION
COMPACTION (BITUMINOUS ORGANIC CLAYS 2 3 BT CLAYS COHESIVE SOILS FINE GRAINED SOILS
GEOLOGICAL DEPOSITS
ORGANIC DEPOSITS
ORGANIC SOILS MIXTURES) FLOW TESTS (BITUMINOUS MATERIALS) HUBBARD-FIELD METHOD HUBBARD-FIELD METHOD HVEEM METHOD MARSHALL METHOD STABILITY (BITUMINOUS MATERIALS) RT--INORGANIC CLAYS ORGANIC SILTS ORGANIC COATINGS BT COATINGS RT--FINISHES OPTIMUM DESIGN use VALUE ENGINEERING PAINTS -- PROTECTIVE COATINGS OPTIMUM MOISTURE CONTENT SOLVENTS USE OPTIMUM WATER CONTENT SPRAYED COATINGS OPTIMUM WATER CONTENT 2 5
UF OPTIMUM MOISTURE CONTENT
BT WATER CONTENT (SOILS)
RT--COMPACTION TESTS
MAXIMUM DRY DENSITY
MOISTURE-DENSITY RELATIONS ORGANIC COMPOUNDS GUANTIC COMPOUNDS 3 (
NOTE: All carbon-containing compounds, except carbonates, carbides and carbon oxides RT HYDROCARBONS KETONES PHENOLIC COMPOUNDS PUDDLING ORGANIC CONTENT 5
BT SOIL PROPERTIES
SURFACE COMPOSITION
FACTORS
RT MUCK
--ORGANIC SOILS ORDER NUMBER OF WAVES (WATER)
use WATER WAVE SPECTRA ORDINARY DIFFERENTIAL EQUATIONS BT DIFFERENTIAL EQUATIONS
REAL VARIABLES
NT VAN DER POL DIFFERENTIAL PEAT EQUATION ORGANIC DEPOSITS 2 NOTE: Deposits formed largely from remains of plants or ORDNANCE NT UNDERWATER ORDNANCE RT--AMMUNITION T--AMMUNITION
--ARTILLERY
BALLISTIC MISSILES
--BOMBS (ORDNANCE)
COAST DEFENSES (MILITARY)
DEMOLITION CHARGES
--EXPLOSIVE CHARGES
--EXPLOSIVE ORDNANCE
DISPOSAL
FUZES (ORDNANCE)
GRENADES
GUIDED MISSILES
--GUNS (ORDNANCE)
--MINES (ORDNANCE)
--MISSILES
--MUNITIONS animals animals
UP BIOGENIC DEPOSITS
BT GEOLOGICAL DEPOSITS
NT ASPHALTS
--BITUMENS COAL HUMUS SOILS LIGNITE LOAMS MUCK ORGANIC CLAYS ORGANIC SILTS --ORGANIC SOILS PETROLEUM MINING GEOLOGY PETROLEUM GEOLOGY --MUNITIONS MUNITIONS INDUSTRY --MUNITIONS STORAGE --PROJECTILES ORGANIC IMPURITIES BT IMPURITIES 3 7 -- ROCKETS TORPEDOES ORGANIC LOADING --WARHEADS RT -- ORGANIC MATTER SLUDGE TRICKLING FILTERS
--WASTE TREATMENT ORDNANCE DETECTORS 4
UF ORDNANCE LOCATORS UF ORDNANCE LOCATORS
BT DETECTORS
NT ACOUSTIC MINE DETECTORS
MAGNETIC MINE DETECTORS
--MINE DETECTORS
RT--ACOUSTIC DETECTORS
MAGNETIC DETECTION
NUCLEAR DETECTION
HADDEN DETECTION
HADDEN DETECTION
HADDEN DETECTION ORGANIC MATTER 7
NOTE: Materials derived from plants or animals, much of it in a more or less advanced stage of decomposition
NT--DECOMPOSING ORGANIC MATTER HUMUS UNDERWATER OBJECT RT BIOCHEMICAL OXYGEN DEMAND LOCATORS

ORGANIC MATTER (Con.)	ORIFICE FLOW (Con.)
COVER CROPS	NAPPE
FERTILIZERS	ORIFICES
LAGOONS (PONDS) MUCK	PIPE PLOW
ORGANIC LOADING	SINGLE PHASE FLOW STEADY FLOW
ORGANIC WASTES	STEAM FLOW
SESTON	SUBCRITICAL FLOW
SOLID WASTES	SUBMERGED ORIFICES
TRIPTONWASTES	SUPERCRITICAL FLOW
WATER PROPERTIES	TRANSIENT FLOW TURBULENT FLOW
	UNSTEADY FLOW
ORGANIC SILTS 2	VENA CONTRACTA
BT FINE GRAINED SOILS	
GEOLOGICAL DEPOSITS ORGANIC DEPOSITS	ORIFICE METERS 1 BT FLOWMETERS
ORGANIC SOILS	BT FLOWMETERS MEASURING INSTRUMENTS
SILTS	VELOCITY METERS (FLUIDS)
RT INORGANIC SILTS	RTDISCHARGE MEASUREMENT
ORGANIC CLAYS	FLOW MEASUREMENT
ORGANIC SOILS 2 5	ORIFICES PRESSURE GAGES
BT GEOLOGICAL DEPOSITS	STREAM GAGES
ORGANIC DEPOSITS	SUBMERGED ORIFICES
NT HUMUS SOILS	
LOAMS	ORIFICE SPILLWAYS 1
MUCK ORGANIC CLAYS	BT SPILLWAYS
ORGANIC SILTS	ORIFICES 1
PEAT	NT SUBMERGED ORIFICES
RT BACKSWAMP DEPOSITS	RT APERTURES
BOGS	DISCHARGE MEASUREMENT
HYDROCARBONS IGNITION TESTS	DIVERSION STRUCTURESFLOW CONTROL
MARSHES	FLOW MEASUREMENT
MUSKEG	FLOWMETERS
ODORS	JETS (FLUIDS)
ORGANIC CONTENT	NOZZLES
SWAMPS TOPSOIL	ORIFICE FLOWORIFICE METERS
1010012	OUTLETS
ORGANIC TERRAIN 5	PIPES
use MARSHES	VELOCITY METERS (FLUIDS)
MUSKEG SWAMPS	WATER MEASUREMENT
SWAMES	OROGENY 2
ORGANIC WASTES 7	NOTE: Process of mountain
BT WASTES	making particularly by fold-
RT AGRICULTURAL WASTES CHEMICAL WASTES	ing and thrusting
COMPOSTS	UF MOUNTAIN BUILDING BT DIASTROPHISM
DECOMPOSING ORGANIC MATTER	RTEARTH MOVEMENTS
DETRITUS	EARTHQUAKES
DISSOLVED ORGANIC MATTER	FOLDS AND FOLDING (GEOLOGY
ORGANIC MATTER OXYGEN SAG	GEANTICLINES GEODYNAMICS
REFUSE	GEOLOGIC STRUCTURES
SESTON	GEOSYNCLINES
SEWACE	MOUNTAINS
SLUDGE	STRUCTURAL GEOLOGY
TRIPTON WATER POLLUTION SOURCES	TECTONICS THRUSTS AND THRUSTING
WATER TOPEOTION SOUNCES	(GEOLOGY)
ORGANIZATION CHARTS 6	(0202001)
BT CHARTS	ORR-SUMMERFIELD EQUATION 1
RT PERSONNEL	OPMICOCALL PRICATIONS (
ORGANOPHOSPHORUS PESTICIDES 7	ORTHOGONAL FUNCTIONS 6 BT COMPLEX VARIABLES
NOTE: Group of pesticide	FUNCTIONS (MATHEMATICS)
chemicals containing	RT BESSEL FUNCTIONS
phosphorus, such as malathion	LINEAR TRANSFORMATIONS
and parathion	MATHIEU FUNCTIONS
DE DESMICTORS	THITLE TOROLLORD
BT PESTICIDES	
BT PESTICIDES ORIFICE FLOW 1	OSCILLATIONS 2 3 4
BT PESTICIDES	
BT PESTICIDES ORIFICE FLOW 1 BT FLOW FLUID FLOW	OSCILLATIONS 2 3 4 NT EARTH OSCILLATIONS HORIZONTAL OSCILLATIONS TORSIONAL OSCILLATIONS
BT PESTICIDES ORIFICE FLOW 1 BT FLOW FLUID FLOW RTCRITICAL FLOW	OSCILLATIONS 2 3 4 NT EARTH OSCILLATIONS HORIZONTAL OSCILLATIONS TORSIONAL OSCILLATIONS VERTICAL OSCILLATIONS
BT PESTICIDES ORIFICE FLOW 1 BT FLOW FLUID FLOW RTCRITICAL FLOW FLOW PATTERNS	OSCILLATIONS 2 3 4 NT EARTH OSCILLATIONS HORIZONTAL OSCILLATIONS TORSIONAL OSCILLATIONS VERTICAL OSCILLATIONS RT AMPLITUDE
BT PESTICIDES ORIFICE FLOW 1 BT FLOW PLUID FLOW RTCRITICAL FLOW PLOW PATTERNS FLUID RESISTANCE	OSCILLATIONS 2 3 4 NT EARTH OSCILLATIONS HORIZONTAL OSCILLATIONS TORSIONAL OSCILLATIONS VERTICAL OSCILLATIONS RT AMPLITUDEFREQUENCY
BT PESTICIDES ORIFICE FLOW 1 BT FLOW FLUID FLOW RTCRITICAL FLOW FLOW PATTERNS FLUID RESISTANCEGAS FLOW	OSCILLATIONS 2 3 4 NT EARTH OSCILLATIONS HORIZONTAL OSCILLATIONS TORSIONAL OSCILLATIONS VERTICAL OSCILLATIONS RT AMPLITUDEFREQUENCY OSCILLATORS
BT PESTICIDES ORIFICE FLOW 1 BT FLOW PLUID FLOW RTCRITICAL FLOW PLOW PATTERNS FLUID RESISTANCE	OSCILLATIONS 2 3 4 NT EARTH OSCILLATIONS HORIZONTAL OSCILLATIONS TORSIONAL OSCILLATIONS VERTICAL OSCILLATIONS RT AMPLITUDEFREQUENCY

OUTCROPS 2
RT BEDROCK
--GEOLOGICAL INVESTIGATIONS OSCILLATIONS (HYDRAULICS) 1
RT HARBOR OSCILLATIONS
OSCILLATORY WAVES (WATER)
OSCILLOGRAPHS OUTFALL SEWERS 1 7
NOTE: Either storm or sanitary
sewers that drop their contents directly into a body
of receiving water
BT SEWERS
RT COMBINED SEWERS
SANITARY SEWERS
SONTERS OSCILLOSCOPES STANDING WAVES (WATER) --WATER WAVES OSCILLATIONS (VEHICLES) 5
use RIDE DYNAMICS
VIBRATIONS (VEHICLES) OSCILLATORS 2 RT AMPLIFIERS 2 6 STORM SEWERS -- FREQUENCY
-- OSCILLATIONS
RESONANT FREQUENCY
ULTRASONICS OUTFLOW 1
RT--DISCHARGE (WATER)
HYDROLOGIC EQUATION
--OUTLETS VIBRATORS OUTLET STRUCTURES 1 2 OSCILLATORY WAVES (WATER) 1
BT WATER WAVES
WAVES use OUTLET WORKS OUTLET WORKS 1 2 RT OSCILLATIONS (HYDRAULICS) NOTE: Structures located at the exit or outlet end of a spillway or culvert
UF OUTLET STRUCTURES
NT MULTILEVEL OUTLETS
RT APPROACH CHANNELS
BELLMOUTHS OSCILLOGRAMS 1 2 NOTE: Graphs traced by an oscillograph
RT OSCILLOGRAPHS OSCILLOGRAPHS 1 2
NOTE: Measuring devices
which determine wave form
by recording instantaneous
values of a quantity
BT ELECTRONIC EQUIPMENT
MEASURING INSTRUMENTS
RECORDING INSTRUMENTS BUTTERFLY VALVES CHUTE BLOCKS COASTER GATES --CONDUITS CONTROL STRUCTURES -- CULVERTS DAM DESIGN DENTATED SILLS
DISCHARGE LINES
DIVERSION TUNNELS
EMERGENCY CLOSURES OSCILLATIONS (HYDRAULICS)
OSCILLOGRAMS OSCILLOSCOPES
--SEISMIC SURVEYS EXIT CHANNELS FLASHBOARDS OSCILLOSCOPES 1 2 3 NOTE: Instruments for showing visually the changes in a FREEBOARD FLIP BUCKETS FLUID FLOW GUIDE WALLS varying current
BT ELECTRONIC EQUIPMENT MEASURING INSTRUMENTS
OSCILLATIONS (HYDRAULICS)
OSCILLOGRAPHS HEADWALLS HEADWORKS HEADWORKS
HIGH PRESSURE GATES
--HYDRAULIC GATES
--HYDRAULIC VALVES
HYDROELECTRIC PLANTS OSMOSIS 1 2 3 7 NOTE: Diffusion of a solvent through a semipermeable membrane into a more concentrated solution in order to equalize the concentrations on both sides of the membrane INTAKE GATES INTAKE STRUCTURES -INTAKES MANIFOLDS -- PIPES BT DIFFUSION
SEPARATION
NT ELECTROOSMOSIS
REVERSE OSMOSIS
RT--ABSORPTION -- PRESSURE CONDUITS -- RESERVOIRS SLIDE GATES SLUICES -SPILLWAYS STILLING BASINS TRAINING WALLS DEMINERALIZATION DESALTING EXTRACTION FILTRATION TRASHRACKS WATER CONTROL WATER MAINS --WATER TUNNELS -- MEMBRANES --MEMBRANES
OSMOTIC PRESSURE
--PENETRATION
PERVIOUS MEMBRANES
SEWAGE TREATMENT
SOIL PHYSICS NT MULTILEVEL OUTLETS RT--DISCHARGE (WATER) DRAINAGE SYSTEMS OSMOTIC PRESSURE 2 3 7 BT PRESSURE
RT DOUBLE LAYER THEORY
ELECTROOSMOSIS HEADWALLS HEADWORKS INTAKE TRANSITIONS OTT CURRENT METER use CURRENT METERS MANHOLES

-- ORIFICES

OUTLETS (Con.)
OUTFLOW
--OUTLET WORKS
SIDE CHANNEL SPILLWAYS OVEREXCAVATION 1 2 4 UF OVERBREAK EXCAVATION NUCLEAR EXCAVATION SKI-JUMP SPILLWAYS SLUICES DETONATION --EXPLOSIVE EXCAVATION PIPELAYING -- TRANSITIONS (HYDRAULICS) ROCK EXCAVATION TUNNEL CONSTRUCTION OUTRUNNING WAVES 2 UF SUBSEISMIC WAVES BT SEISMIC WAVES OVERFALL SPILLWAYS BT SPILLWAYS RT OVERFALLS WAVES RT AIR BLAST INDUCED GROUND MOTION SOUND WAVES OVERFALLS RT--DAMS OUTWARD-FLOW TURBINES 1 BT HYDRAULIC TURBINES RT--REACTION TURBINES DRAWDOWN CURVES OVERFALL SPILLWAYS OVERFLOW SPILLWAY CRESTS
--SPILLWAYS RT -- WATER CONTENT DETERMINATION --WEIRS (SOILS) OVERFLOW OVERBANK FLOW 1 BT FLOW RT--DISCHARGE (WATER) RT BANKS DIVERSION DAMS --DRAINS FLIP BUCKETS OVERBREAK 2 4
use OVEREXCAVATION FLOOD DAMAGE FLOODPLAIN ZONING OVERBURDEN FLOODS FREEBOARD FERBURDEN 2 4

RT BEDROCK
--CONSOLIDATION (SOILS)
--GEOLOGICAL DEPOSITS
NORMALLY CONSOLIDATED SOILS
OVERCONSOLIDATED SOILS HEADWORKS HYDROLOGIC EQUATION LEVEES OGEE CRESTS OVERFALLS OVERTOPPING OVERCONSOLIDATION OVERPRESSURE PRECONSOLIDATION PRESSURE PRELOAD FILLS SKI-JUMP SPILLWAYS
SPILLWAY CAPACITY
SPILLWAY CRESTS
SPILLWAY DESIGN FLOOD REBOUND REBOUND OF EXCAVATION ROCK MECHANICS SOIL PRESSURE -SPILLWAYS WATER LEVELS STRESS HISTORY WEIR CRESTS --WEIRS ZERCOMPACTION 2 5
RT--COMPACTION (BITUMINOUS
MIXTURES)
--COMPACTION (SOILS)
--EMBANKMENT CONSTRUCTION OVERCOMPACTION OVERFLOW OF DAMS UF OVERTOPPING OF DAMS
RT DAM CRESTS
--DAM FAILURES --DAMS OVERCONSOLIDATED SOILS 2
NOTE: Soil deposits that have been subjected to an effective pressure greater than the present overburden pressure
UF PRECONSOLIDATED SOILS OVERFLOW SPILLWAYS OVERFLOW SPILLWAYS 1 2
BT SPILLWAYS
RT FUSE PLUG SPILLWAYS
OVERFLOW OF DAMS NEGATIVE PORE PRESSURE NORMALLY CONSOLIDATED OVERLAND FLOW BT FLOW FLUID FLOW 1 SOILS OVERBURDEN OVERBURDEN
OVERCONSOLIDATION
PRECONSOLIDATION
PRECONSOLIDATION PRESSURE
PRELOAD FILLS
REBOUND OF EXCAVATION
STRESS HISTORY
UNCONSOLIDATED SOILS RUNOFF UNSTEADY FLOW RT--DISCHARGE (WATER) --FLOODS FLOW PATTERNS HYDROLOGIC EQUATION RAINFALL-RUNOFF RELATION-SHIP SHEET EROSION SHEET FLOW -SLOPES OVERCONSOLIDATION 2 BT CONSOLIDATION (SOILS) CONSOLIDATION (SOILS)
DEFORMATION
SOIL DEFORMATION
NORMALLY CONSOLIDATED SOILS
OVERBURDEN
OVERCONSOLIDATED SOILS SNOWMELT STORM RUNOFF SURFACE RUNOFF TIME OF CONCENTRATION --WATERSHEDS PRECONSOLIDATION REBOUND RECOMPRESSION OVERLAND TRAIN NOTE: Trade name for logistical carrier built by R. G. LeTourneau, Inc., for Trans-portation Corps UNDERCONSOLIDATION OVERCORING METHOD 2
use RESIDUAL STRESS MEASUREMENT

The second of the second

OVERLAND TRAIN (Con.)
BT ARTICULATED VEHICLES
CARGO VEHICLES
OFF-ROAD VEHICLES
RT LOGISTICS
--MILITARY VEHICLES
--TRACKED VEHICLES OVERTOPPING OF DAMS
USE OVERFLOW OF DAMS OVERTURNING (VEHICLES)
use VEHICLE STABILITY OVERTURNS 7 OVERLAYS (LANDING MATS) 2 5 RT LANDING MAT MAINTENANCE --LANDING MATS OXIDANTS use OXIDIZERS MEMBRANES (AIRFIELDS)
--OVERLAYS (PAVEMENTS) OXIDATION 2 3 7
NOTE: Chemical reaction in
which oxygen unites or combines
with other elements RUNWAY DAMAGE OVERLAYS (PAVEMENTS) 2 3 5
NOTE: Rigid or nonrigid pavement constructed on top of a
base pavement to increase the
load-carrying capacity of the BT CHEMICAL REACTIONS
RT AGING
--CHEMICAL ATTACK
CHEMOSYNTHESIS --CORROSION
--DECOMPOSITION
--DEGRADATION
--DETERIORATION section. PAVEMENT OVERLAYS
RESURFACING (PAVEMENTS)
ASPHALT OVERLAYS
CONCRETE OVERLAYS DISINTEGRATION
INCINERATION
IRON BACTERIA
IRON OXIDES PIBER REINFORCED PAVEMENTS
MEMBRANES (ROADS)
OVERLAYS (LANDING MATS)
PAVEMENT FAILURES NITRIFICATION NITROGEN DIOXIDE -PAVEMENTS PAVING OXIDATION-REDUCTION POTENTIAL RIGID PAVEMENT MAINTENANCE ROAD ENGINEERING ROAD MAINTENANCE ROAD SURFACES OXYGEN
--OXYGEN DEMAND OXYGENATION
--PROTECTIVE COATINGS
WEATHERING (GEOLOGY) SURFACE ROUGHNESS (PAVEMENTS) SURFACE TREATMENT (ROADS) OXIDATION LAGOONS 1 use LAGOONS (PONDS) RT--BRIDGES OVERPASSES -- CONCRETE STRUCTURES INTERCHANGES OXIDATION PONDS 1 use LAGOONS (PONDS) RAILROADS OXIDATION-REDUCTION POTENTIAL UNDERPASSES VIADUCTS UF REDOX POTENTIAL RT OXIDATION RPRESSURE 2 4
F AIR BLAST OVERPRESSURE
T EXPLOSION EFFECTS
PRESSURE
T-BLAST EFFECTS
BLAST LOADS
DYNAMIC PRESSURE
--NUCLEAR EXPLOSION EFFECTS
NUCLEAR WEAPONS EFFECTS
OVERBURDEN WATER PROPERTIES OVERPRESSURE OXIDES 3 6

UP METAL OXIDES

NT ALUMINUM OXIDE

CALCIUM OXIDES

CARBON DIOXIDE

CARBON MONOXIDE

HYDROGEN PEROXIDE IRON OXIDES
LITHIUM OXIDES
MAGNESIUM OXIDES OVERBURDEN PRELOAD FILLS OPAL POTASSIUM OXIDES OVERRUN BLAST AREAS VERRUN BLAST AREAS 5
NOTE: Graded and compacted
extensions of each end of the
runway that is subjected to
propeller or jet blast during
aircraft takeoff
AIRCRAFT LANDING AREAS
RT BLAST EFFECTS
EXHAUST BLAST
MEMBERAMES (AIRFIFIDS) QUARTZ --SILICA SODIUM OXIDES OXYACETYLENE WELDING USE ACETYLENE WELDING MEMBRANES (AIRFIELDS) CYGEN 1 2 3 6 7
BT GASES
NONMETALS
RT AERATION
AEROBIC CONDITIONS OXYGEN TAXIWAYS OVERTOPPING AEROSIC CONDITIONS
AIR
BIOCHEMICAL OXYGEN DEMAND
CHEMICAL OXYGEN DEMAND
DISSOLVED OXYGEN
DISSOLVED OXYGEN ANALYZERS DAM BREACHES -DAM FAILURES --DAMS FLOOD DAMAGE FLOODPLAIN ZONING --FLOODS DYSTROPHY EUTROPHICATION OVERFLOW SPILLWAY CRESTS --SPILLWAYS --WATER LEVELS OLIGOTROP HY OXIDATION OXYGEN REGENERATION

The second secon

WATER WAVE RUN-UP

--WIERS

OXYGEN (Con.)
OXYGEN SAG
OXYGENATION
OZONE
WATER PROPERTIES

OXYGEN CONTENT 1 7 RT WATER QUALITY

OXYGEN DEFICIENCY 7
use ANOXIA

OXYGEN DEMAND 1 7
NOTE: Oxygen required for oxidation of inorganic matter, or for stabilization of decomposable organic matter by aerobic bacterial action NT BIOCHEMICAL OXYGEN DEMAND CHEMICAL OXYGEN DEMAND RT LIMNOLOGY OXIDATION OXYGENATION PHOTOSYNTHESIS --PRODUCTIVITY RESPIRATION WATER QUALITY

OXYGEN DEPLETION 7
NOTE: Removal or exhaustion of oxygen by chemical or biological use
RT BIOCHEMICAL OXYGEN DEMAND CHEMICAL OXYGEN DEMAND EUTROPHICATION
OXYGEN REGENERATION
OXYGEN SAG

.

OXYGEN REGENERATION 7
RT OXYGEN
OXYGEN DEPLETION
OXYGEN SAG
OXYGENATION

OXYGEN SAG 7
NOTE: Drop in oxygen concentration usually at night, due to
respiration
RT BIOCHEMICAL OXYGEN DEMAND
DISSOLVED OXYGEN
EUTROPHICATION
ORGANIC WASTES
OXYGEN
OXYGEN DEPLETION
OXYGEN DEPLETION
OXYGEN REGENERATION

OXYGENATION 1 7
BT WATER TREATMENT
RT--ABSORPTION
AERATION
DISSOLVED OXYGEN
OXIDATION
OXYGEN
--OXYGEN DEMAND
OXYGEN REGENERATION
REAERATION
SOLUBILITY
WATER PURIFICATION
WATER QUALITY CONTROL
--WATER TREATMENT

OYSTERS 7
BT AQUATIC ANIMALS
BENTHIC FAUNA
BENTHOS
INVERTEBRATES
MARINE ANIMALS
MOLLUSCA
SHELL FISH
RT CLAMS

OZONE 7
BT GASES
RT OXYGEN
SMOG

P-WAVES 2 3 4 use COMPRESSION WAVES PALEOECOLOGY 2 NOTE: Ecology which deals with fossil organisms RT HISTORICAL GEOLOGY MICROPALEONTOLOGY PACK SET K SET 3 use CEMENT STORAGE PALEOCLIMATOLOGY PALEOGEOGRAPHY PACKAGED CONCRETE 3
NOTE: Packaged dry ingredients
which with addition of water
will produce concrete
BT CONCRETES -- PALEONTOLOGY PALEOGEOGRAPHIC MAPS NOTE: Maps showing the geography
of an area at some specified PACKAGING 2 5
UF PACKING (PACKAGING)
WRAPPING (PACKAGING)
RT--CONTAINERS time in the past BT MAPS RT PALEOGEOGRAPHY PACKAGING ADHESIVES
--PACKAGING MATERIALS
PAPER AND FABRIC ADHESIVES
--SOIL SAMPLES PALEOGEOGRAP HY 2 NOTE: Geography of an area at some former geologic time BT GEOGRAPHY RT HISTORICAL GEOLOGY -- TRANSPORTATION
WEATHERPROOFING PALEOECOLOGY PALEOGEOGRAPHIC MAPS -- PALEONTOLOGY RELICT VALLEYS PACKAGING ADHESIVES 2 5 BT ADHESIVES PACKAGING MATERIALS PALEOGEOLOGIC MAPS 2
NOTE: Maps showing areal geology
as it was at some former time
BT GEOLOGIC MAPS PACKAGING PAPER AND FABRIC ADHESIVES PACKAGING MATERIALS 2 3 5 NT PACKAGING ADHESIVES RT PACKAGING MAPS RT HISTORICAL GEOLOGY PALEOGEOLOGY 2
use HISTORICAL GEOLOGY PACKING (PACKAGING) 2 5 use PACKAGING ALEOHYDROLOGY 1 NOTE: Study of ancient use and handling of water BT HYDROLOGY PALEOHYDROLOGY PAINTING RT PAINTS SEALING PALEONTOLOGY 1 2
NOTE: Study of life in past
geologic periods, based on fossil plants and animals, and the
chronology of Earth's history
NT MICROPALEONTOLOGY PAINTS BT COATINGS
NT ASPHALT PAINT
RT-CALCIUM SULFATES
COAL TAR COLORS (MATERIALS)
CONCRETE FINISHES (HARDENED
CONCRETE)
-- CORROSION PREVENTION PALEOBOTANY PALEOZOOLOGY ARCHAEOLOGY -- FINISHES GRAPHITE FOSSILS GEOCHRONOLOGY HISTORICAL GEOLOGY PALEOCLIMATOLOGY LACQUERS LATEX LEAD ORGANIC COATINGS PALEOECOLOGY PALEOGEOGRAPHY
PETROLEUM GEOLOGY
-- SEDIMENTARY ROCKS PAINTING - PIGMENTS -- PROTECTIVE COATINGS
-- RESINS (SYNTHETIC)
-- SEALERS
SOLVENTS STRATIGRAPHY PALEOZOIC ERA CAMBRIAN PERIOD
CARBONIFEROUS PERIOD SPRAYED COATINGS DEVONIAN PERIOD
--MISSISSIPPIAN PERIOD
ORDOVICIAN PERIOD
--PENNSYLVANIAN PERIOD STAINS VARNISHES WEATHERPROOFING PERMIAN PERIOD SILURIAN PERIOD PALEOBOTANY NOTE: Study of fossil plants
BT PALEONTOLOGY
RT HISTORICAL GEOLOGY
MICROPALEONTOLOGY PALEOZOOLOGY OTE: Study of subfossil and fossil animals T PALEONTOLOGY T HISTORICAL GEOLOGY PALEOCENE EPOCH BT TERTIARY PERIOD MICROPALEONTOLOGY PALEOCLIMATOLOGY 2
NOTE: Study of past climates
throughout geologic time
BT CLIMATOLOGY
RT GEOCHRONOLOGY
HISTORICAL GEOLOGY PAN EVAPORATION 1
BT EVAPORATION
RT EVAPORATION COEFFICIENT
EVAPORATION PANS RESERVOIR EVAPORATION PALEOECOLOGY -- PALEONTOLOGY PAN JOIST SLABS BT SLABS

PARTICLE INTERACTIONS PANELS 3 NT--CONCRETE PANELS RT-- CHEMICAL REACTIONS PRECAST CONCRETE PANELS
PRESTRESSED CONCRETE PANELS
ACOUSTIC INSULATION
PREFABRICATION PARTICLE SHAPES 2 3 5 use GRAIN SHAPES PARTICLE SIZE RT STOKES LAW ROOFS -- SHIELDING SUSPENDED SOLIDS SOUND TRANSMISSION -- WALLS PARTICLE SIZE ANALYSIS 2 PAPER AND FABRIC ADHESIVES BT ADHESIVES RT PACKAGING PARTICLE SIZE DETERMINATION 3
UF BLAINE METHOD
WAGNER METHOD PACKAGING ADHESIVES PAPER MILLS PARTICLE SIZE DISTRIBUTION UF PARTICLE SIZE DISTRIBUTION 2 3 5
CURVES PARAFFINS 2 BT HYDROCARBONS RT--CARBON LUBRICATION FINENESS FINENESS MODULUS -- SEALERS GRADATION SOIL SAMPLING SIEVE ANALYSIS SIZE SCREENING TEXTURE PARASITES NASITES /
NOTE: Plants or animals living in, on, or with some other living organisms at whose expense they obtain food, etc.
RT EPIZOOTIOLOGY PARTICLE SIZE DISTRIBUTION CURVES 2 3 5
use PARTICLE SIZE DISTRIBUTION PARTICLE SIZE REDUCTION (CRUSHING) 3 4 7 use COMMINUTION NEMATODES NICHES -- PROTOZOA PARTICLES 1 2 5
RT BROWNIAN MOVEMENT
-- FINE GRAINED SOILS PARENT MATERIALS (SOILS) RT-- SOIL SCIENCE SOIL SERIES FINES SURSOIL. - GRADATION
GRAIN SHAPES
- GRAIN SIZE ANALYSIS
- GRANULAR MATERIALS
PARTICLE SIZE
PETROPABRICS RKING AREAS 2 3 5 RT AIRCRAFT LOADS AIRFIELD CONSTRUCTION PARKING AREAS AIRPORT CONSTRUCTION SOIL COMPONENTS
-- SOIL PARTICLE CHARACTERISTICS AIRPORT CONSTRUCTION AIRPORTS APRONS (AERONAUTICS) HELIPORT CONSTRUCTION HELIPORTS NOTE: Pinely divided solid or liquid particles in the air or in an emission RT AIRBORNE WASTES DUST FLY ACT HELIPORTS
LANDING FIELD CONSTRUCTION
-- LANDING FIELDS
-- LANDING MATS
MEMBRANES (AIRFIELDS)
PAVEMENT MARKING PARTICULATES -- PAVEMENTS FLY ASH PAVING FOG -- RUNWAYS FUMES TAXIWAYS MIST SOOT NATIONAL PARKS RECREATION PARKS PARTING AGENTS 2 3 UF BOND BREAKING AGENTS RECREATIONAL FACILITIES CONCRETE FORM OILS FORM OILS PARSHALL FLUMES 1
BT FLUMES (MEASURING)
VENTURI FLUMES
RT FLOW MEASUREMENT
WATER MEASUREMENT RT- - CONCRETE DAMS PASS PER COVERAGE RATIO
USE COVERAGES (AIRCRAFT) PASSIVE EARTH PRESSURE PARTIAL DIFFERENTIAL EQUATIONS
BT DIFFERENTIAL EQUATIONS
REAL VARIABLES
NT BOUNDARY VALUE PROBLEMS BT EARTH PRESSURE PRESSURE ACTIVE EARTH PRESSURE AT-REST EARTH PRESSURE FINITE DIFFERENCE METHOD PASSIVITY PARTIALLY SATURATED SOILS RT SATURATED SOILS ASSIVITY 30 NOTE: Inactive chemical state, especially of a metal which has lost its normal chemical activity RT ACID RESISTANCE CHEMICAL PROPERTIES PARTICLE ACCELERATORS LINEAR ACCELERATORS PARTICLE CHARACTERISTICS (SOILS)
use SOIL PARTICLE CHARACTERISTICS -- COATINGS

-- CORROSION

PAVEMENT DEFORMATION (Con.)
LOAD TESTS (PAVEMENTS)
PAVEMENT DEFLECTION
PAVEMENT DEFERIORATION
-- PAVEMENT FAILURES
-- PAVEMENT PERFORMANCE AND PASSIVITY (Con.)
-- CORROSION PREVENTION
-- CORROSION RESISTANCE ELECTROLYSIS GALVANIC CORROSION INHIBITORS EVALUATION EVALUATION
PUMPING OF PAVEMENTS
ROAD MAINTENANCE
--TRAFFIC LOADS
--TRAFFIC TESTS RUSTING STRESS CORROSION RESISTANCE PASTES STES 3 NT CEMENT PASTES RT-- PORTLAND CEMENTS PAVEMENT DESIGN 2 3 5 BT DESIGN NT FLEXIBLE PAVEMENT DESIGN PAT TESTS T TESTS 3
BT PORTLAND CEMENT PHYSICAL TESTS
RT SOUNDNESS (CEMENT) (AIRFIELDS)
FLEXIBLE PAVEMENT DESIGN (HIGHWAYS)
RIGID PAVEMENT DESIGN PATCHING 1 2 3 4 5 use MAINTENANCE (AIRFIELDS)
RIGID PAVEMENT DESIGN PATENT LAWS 6 RT COPYRIGHT LAWS (HIGHWAYS)

RT AASHO ROAD TEST
BASE COURSES
CALIFORNIA BEARING RATIO
COEFFICIENT OF SUBGRADE RE-PATENTS PATENTS 6
RT INVENTIONS ACTION LIGITATION PATENT LAWS GYRATORY METHOD DESIGN (PAVEMENTS) -- REGULATIONS LAYERED SYSTEMS
MOISTURE SUCTION RELATIONSHIP (SOILS)
PAVEMENT MARKING
PAVEMENT THICKNESS
PAVEMENT THICKNESS PATHOGENIC BACTERIA 7
NOTE: Bacteria causing or capable of causing disease
BT BACTERIA MICROORGANISMS PLANTS (BOTANY)
RT ACTINOMYCETES -- PAVEMENTS ROAD DESIGN ROAD ENGINEERING ROAD MATERIALS ROAD RESEARCH -- AQUATIC MICROORGANISMS COLIFORMS ROAD SURFACES ENTERIC BACTERIA SUBBASES PATHOGENIC FUNGI 7
NOTE: Fungi causing or capable of causing disease
BT FUNGI
MICROORGANISMS
TANTE (PROBANY) SURFACE ROUGHNESS (PAVEMENTS) TIRE-PAVEMENT INTERACTION
-- TRAFFIC LOADS
-- TRAFFIC TESTS
TRAFFIC VOLUME (PASSES) PLANTS (BOTANY) PAVEMENT DETERIORATION 2 3 5
BT DETERIORATION
RT AIRFIELD MAINTENANCE
AIRFORT MAINTENANCE
ASPHALT DETERIORATION
CONCRETE DETERIORATION
-- CONCRETE DURABILITY PATROL AIRCRAFT 2 4 AIRCRAFT MILITARY AIRCRAFT BOMBER AIRCRAFT FIGHTER AIRCRAFT HELICOPTERS JET AIRCRAFT FLEXIBLE PAVEMENT MAINTENANCE RECONNAISSANCE AIRCRAFT FLEXIBLE FAVEMENT MAINTEN FROST ACTION GROOVING (PAVEMENTS) HELIPORT MAINTENANCE PAVEMENT DEFLECTION PAVEMENT DEFORMATION -- PAVEMENT FAILURES -- PAVEMENT FERFORMANCE AND EVALUATION PATTERN RECOGNITION PAVEMENT CRACKING 5
BT CRACKING (FRACTURING)
RT-- PAVEMENT FAILURES
PUMPING OF PAVEMENTS EVALUATION PUMPING OF PAVEMENTS PAVEMENT DEFLECTION 2 3 5 RIGID PAVEMENT MAINTENANCE ROAD MAINTENANCE BT DEFLECTION RT BENKELMAN BEAM T BENKELMAN BEAM
CONCRETE DEFORMATION
--FROST ACTION
LOAD TESTS (PAVEMENTS)
PAVEMENT DEFORMATION
--PAVEMENT PETERIORATION
--PAVEMENT PAILURES
--PAVEMENT PERFORMANCE AND
EVALUATION PAVEMENT FAILURES 2 3 4 5 FAILURES
FLEXIBLE PAVEMENT FAILURES (AIRFIELDS) FLEXIBLE PAVEMENT FAILURES (HIGHWAYS)
RIGID PAVEMENT FAILURES EVALUATION (AIRFIELDS)
RIGID PAVEMENT FAILURES PAVEMENT THICKNESS
PUMPING OF PAVEMENTS
ROAD MAINTENANCE
TIRE-PAVEMENT INTERACTION RIGID PAVEMENT FAILURES
(HIGHWAYS)
RT BASE PAILURES
-- FROST ACTION
-- OVERLAYS (PAVEMENTS)
PAVEMENT CRACKING
PAVEMENT DEFLECTION
PAVEMENT DEFORMATION
PAVEMENT DETERIORATION
-- PAVEMENT PERPORMANCE AND
EVALUATION -- TRAFFIC LOADS -- TRAFFIC TESTS PAVEMENT DEFORMATION DEFORMATION
CONCRETE DEFORMATION
DEFORMATION GAGES
FROST ACTION

PAVEMENTS (Con.)
RT AIRCRAFT LOADS
AIRFIELDS PAVEMENT FAILURES (Con.) -- PAVEMENTS POTHOLES (PAVEMENTS) PUMPING OF PAVEMENTS ROAD DRAINAGE AIRPERDS AIRPORTS APRONS (AERONAUTICS) BASE COURSES BITUMINOUS COATINGS ROAD ENGINEERING ROAD MAINTENANCE ROAD RESEARCH RUNWAY DAMAGE SUBGRADE FAILURES TENSION CRACKS BRIDGE DECKS CONCRETE FINISHES (HARDENED CONCRETE)
CONCRETE FINISHING (FRESH CONCRETE)
DOWELS PAVEMENT MARKING 2 5 DRIVEWAYS -- EXPRESSWAYS BT MARKING RT PARKING AFEAS -- PAVEMENT DESIGN
ROAD DESIGN
ROAD ENGINEERING
ROAD MAINTENANCE -- FUEL SPILLAGE (PAVEMENTS)
-- HIGHWAY STRUCTURES HIGHWAYS
JOINT SEALERS
LIGHT REFLECTANCE
NONSKID SURFACES PAVEMENT OVERLAYS 2 3 use OVERLAYS (PAVEMENTS) NONSKID SURFACES
- OVERLAYS (PAVEMENTS)
PARKING AREAS
- PAVEMENT DESIGN
- PAVEMENT PAILURES
- PAVEMENT PERFORMANCE AND
EVALUATION PAVEMENT PERFORMANCE AND EVALUATION 2 5 UF PERFORMANCE TESTS (PAVEMENTS) BT EVALUATION PERFORMANCE TESTS -- PAVING PROFILOMETERS FLEXIBLE PAVEMENT PERFOR-MANCE AND EVALUATION (AIRFIELDS) PROFILEMETERS
PUMPING OF PAVEMENTS
ROAD ENGINEERING
ROAD MATERIALS
ROAD RESEARCH FLEXIBLE PAVEMENT PERFOR-FLEXIBLE PAVEMENT PERFORMANCE AND EVALUATION
(HIGHWAYS)
RIGID PAVEMENT PERFORMANCE
AND EVALUATION (AIRFIELDS)
RIGID PAVEMENT PERFORMANCE
AND EVALUATION (HIGHWAYS)
FOR AASHO ROAD TEST
ACCELERATED TRAFFIC TESTS
CHANNELIZED TRAFFIC TESTS
-- FROST ACTION
HYDROPLANING
-- LAYERED SYSTEMS ROAD SURFACES -- ROADS -- RUNWAYS
SAWED JOINTS
SIDEWALKS
SKID RESISTANCE SLABS SLURRY COATINGS SOIL ASPHALT HYDROPLANING
--LAYERED SYSTEMS
LOAD TESTS (PAVEMENTS)
PAVEMENT DEFLECTION
PAVEMENT DEFORMATION
--PAVEMENT BETEI IORATION
--PAVEMENT FAILURES
--PAVEMENTS
PROFILOMETERS
PUMPING OF PAVEMENTS
ROAD DRAINAGE
ROAD GENGINEERING
ROAD MAINTENANCE
ROAD MAITENANCE
ROAD MATERIALS
ROAD RESEARCH
ROAD SURPACES SOIL LIME -- SOIL STABILIZATION STREETS SUBBASES SUBGRADES SURFACE ROUGHNESS (PAVEMENTS) TAXIWAYS TEST ROADS -- TRAFFIC LOADS TRAFFICABILITY VISCOPLASTICITY METHOD PAVING UF ROAD SURFACING
NT BARNYARD PAVING
RT AIRFIELD CONSTRUCTION ROAD SURFACES TIRE-PAVEMENT INTERACTION
-- TRAFFIC TESTS
TRAFFIC VOLUME (PASSES) AIRPORT CONSTRUCTION AIRPORT CONSTRUCTION APRONS (AERONAUTICS) ASPHALT BLOCKS BASE COURSES HIGHWAYS PAVEMENT PUMPING 2 3 5 use PUMPING OF PAVEMENTS - LININGS -- OVERLAYS (PAVEMENTS)
PARKING AREAS PAVEMENT ROUGHNESS USE SURFACE ROUGHNESS (PAVEMENTS) -- PAVEMENTS
-- PAVING EQUIPMENT
-- RIGID PAVEMENTS
-- ROAD CONSTRUCTION PAVEMENT THICKNESS 5
HT PAVEMENT DEFLECTION
--PAVEMENT DESIGN
PAVEMENT THICKNESS MEASUREMENT -- ROADS -- RUNWAYS SLIP FORM CONSTRUCTION STREETS PAVEMENT THICKNESS MEASUREMENT RT-- MEASURING INSTRUMENTS PAVEMENT THICKNESS SUBBASES SUBGRADES TAXIWAYS AVEMENTS 2 3 4 5

NT CONTINUOUSLY HEINFORCED
CONCRETE PAVEMENTS
FIBER PEINFORCED PAVEMENTS
--FLEXIBLE PAVEMENTS
HEAVY LOAD PAVEMENTS
LIGHT LOAD PAVEMENTS
MEDIUM LOAD PAVEMENTS
--RIGID FAVEMENTS
RUBBERIZED TAR PAVEMENTS PAVEMENTS PAVING EQUIPMENT 2 3 5
BT CONSTRUCTION EQUIPMENT
NT ASPHALT CURB MACHINES
ASPHALT DISTRIBUTORS
--ASPHALT PAVING MACHINES
CONCRETE PAVING MACHINES -- PAVING EQUIPMENT (BITUMINOUS)

RUBBERIZED- TAR PAVEMENTS

PAVING EQUIPMENT (Con.)

-- PAVING EQUIPMENT (CONCRETE)

SLIP FORM FAVING MACHINES

RT AIRFIELD CONSTRUCTION

AIRFORT CONSTRUCTION

HELIPORT CONSTRUCTION

PAYLOW PEAK RUNOFF (Con.) FLOOD PEAKS FLOOD ROUTING -- FLOODS LYSIMETERS
PEAK FLOODS
RAIN AND RAINFALL
RIVER BASINS -- PAVING
-- ROAD CONSTRUCTION
-- ROAD MACHINERY
SLIP FORMS SNOWMELT SOIL EROSION PAVING EQUIPMENT (BITUMINOUS) 2 5
BT CONSTRUCTION EQUIPMENT
PAVING EQUIPMENT
NT AGGREGATE SPREADERS
ASPHALT CURB MACHINES
ASPHALT DISTRIBUTORS
--ASPHALT PAVING MACHINES
RT FLEXIBLE PAVEMENT CONSTRUCTION
FLEXIBLE PAVEMENT MAINTENANCE
--FLEXIBLE PAVEMENT SPILLWAY CAPACITY
-- STREAM FLOW SURFACE RUNOFF -- SURFACE WATERS -- WATERSHEDS PEAK STRENGTH NOTE: Strength at the peak point of the stress-strain curve BT MECHANICAL PROPERTIES SHEAR STRENGTH DIRECT SHEAR TESTS PAVING EQUIPMENT (CONCRETE) 2 3 5 BT CONSTRUCTION EQUIPMENT RESIDUAL SHEAR STRENGTH S TESTS (SOILS) TORSION SHEAR TESTS (SOILS) ULTIMATE STRENGTH PAVING EQUIPMENT
NT CONCRETE PAVING MACHINES
SLIP FORM PAVING MACHINES
RT CONCRETE MIXING PLANTS PEAT 2 3 5 7
NOTE: Partially decomposed organic material
BT FOSSIL FUELS
ORGANIC MATTER
ORGANIC SOILS -- CONCRETE MIXING PLANTS
-- CONCRETES
RIGID PAVEMENT CONSTRUCTION
RIGID PAVEMENT MAINTENANCE
-- RIGID PAVEMENTS -- ROAD MACHINERY PC CLINKER 3
use PORTLAND CEMENT CLINKER -- CARBON FENS PEA GRAVELS COARSE GRAINED SOILS GRANULAR MATERIALS HUMUS -- HYDROC ARBONS LIGNITE GRAVELS -- MARSHES RT-- AGGREGATES PEACEFUL USES OF NUCLEAR ENERGY 4
UF NUCLEAR ENERGY (PEACEFUL USES)
RT--NUCLEAR EXCAVATION
NUCLEAR POWER PLANTS
NUCLEAR REACTORS MUSKEG ODORS ORGANIC CONTENT SOFT SOILS SWAMPS WATERLOGGED LAND PEAK DISCHARGE PEBBLE MILLING 3 4 7
use GRINDING (COMMINUTION) BT DISCHARGE (WATER) RT DESIGN FLOOD FLOOD HYDROGRAPHS
FLOOD PEAKS
FLOOD WAVES
-- FLOODS PEDESTAL PILES use BULB PILES PEDIMENTS 2
NOTE: Gently sloping rock surface at the foot of a steep FREQUENCY CURVES
MAXIMUM PROBABLE FLOOD PEAK FLOODS RUNOFF COEFFICIENT slope RT--EROSION SPILLWAY CAPACITY
-- SPILLWAYS -- SLOPES WEATHERING (GEOLOGY) SURFACE RUNOFF PEAK FLOODS 1
BT FLOODS
RT DESIGN FLOOD
FLOOD PEAKS EDOLOGY 2 5 use SOIL SCIENCE PEELING (CONCRETE) RT CONCRETE SURFACES SCALING (CONCRETE) -- HYDROGRAPHS MAXIMUM PROBABLE FLOOD PEAK DISCHARGE PEAK RUNOFF PEGMATITE IGNEOUS ROCKS INTRUSIVE ROCKS RUNOFF COEFFICIENT SURFACE RUNOFF ROCKS FELDS PARS PEAK POWER GRANITE QUARTZ BT ELECTRIC POWER RT--ELECTRIC GENERATORS HYDROELECTRIC POWER PELAGIC ZONE 7
NOTE: Pelagic zone is the open
water of the ocean, lacking
association with the shore or PEAK RUNOFF 1
BT RUNOFF
RT ANNUAL FLOODS
-- DRAINAGE the bottom BT ENVIRONMENTS FLOOD CONTROL FLOOD FORECASTING FLOOD HYDROGRAPHS MARINE ENVIRONMENT NT NERITIC ZONE

PENETRATION TESTS 3
RT CEMENT SETTING
CONCRETE HARDENING
-- CONSISTENCY TESTS PELICAN STOOLS NOTE: Precast concrete armor units ARMOR UNITS HARDNESS TESTS PELTON TURBINES 1
UF PELTON WHEEL
BT HYDRAULIC TURBINES
TURBINES PENETRATION TESTS (SOILS) : use SOIL PENETRATION TESTS 2 4 5 IMPULSE TURBINES ENETROMETERS 2 5
BT MEASURING INSTRUMENTS
NT AERIAL CONE PENETROMETERS
- AERIAL PENETROMETERS
AIRPIELD CONE PENETROMETERS
AUTOMATED PENETROMETERS
-- CONE PENETROMETERS
DROP CONE PENETROMETERS
-- DROP HAMMER PENETROMETERS
DUTCH PENETROMETERS
BAMMSONDE PENETROMETERS
BAMMSONDE PENETROMETERS PENETROMETERS PELTON WHEEL 1
use PELTON TURBINES PENEPLAINS NOTE: Area reduced almost to a plain by erosion RT--EROSION RAMMSONDE PENETROMETERS SPLIT SPOON SAMPLERS PENETRATION 2 4

NT SOIL PENETRATION

RT-ABSORPTION

AMMUNITION DAMAGE BEVAMETERS -- FOOTINGS -- PENETRATION
PENETRATION RESISTANCE (SOILS) -- BORING -- DRILLING RELATIVE DENSITY
SOIL PENETRATION
-SOIL STRENGTH TEST INSTRUMENTS
-TRAFFICABILITY TEST INSTRUMENTS **JETTING** JETTING
- OSMOSIS
- PENETRATION RESISTANCE
PENETRATION RESISTANCE (SOILS)
- PENETROMETERS POINT RESISTANCE (PILES)
ROCK MELTING PENETRATORS
SALT WATER INTRUSION PENINSULAS 1 2 RT--ISLANDS (LANDFORMS) OCEANS PENNSYLVANIAN PERIOD -- SEEPAGE NOTE: European equivalent 1s
Upper Carboniferous Period
BT CARBONIFEROUS PERIOD -- SOIL PENETRATION TESTS TERMINAL BALLISTICS VULNERABILITY PALEOZOIC ERA PENETRATION DEPTH PREDICTION 5
BT PREDICTIONS
RT AERIAL CONE PENETROMETERS
--AERIAL PENETROMETERS
CONE PENETRATION TESTS
DENETRATION DESIGNANCE (SE ENSTOCKS 1 2 3

NOTE: Conduits or tunnels for conducting water from the reservoir to the turbines of a hydroelectric power plant UF POWER TUNNELS

BT CONDUITS

-- BIFURCATIONS
-- CONDUIT BENDS PENSTOCKS PENETRATION RESISTANCE (SOILS) SOIL PENETRATION
--SOIL PENETRATION TESTS
SOIL STRENGTH PREDICTION PENETRATION RESISTANCE 4
UF RESISTANCE (PENETRATION)
NT PENETRATION RESISTANCE (SOILS)
HT HARDNESS -- CONDUIT BENDS DISCHARGE LINES ENTRANCES (FLUID FLOW) -- PENETRATION TERRADYNAMICS FOREBAYS FOREBAYS
HYDRAULIC TURBINES
HYDROELECTRIC PLANTS
HYDROELECTRIC POWER
INTAKE STRUCTURES
INTAKE TOWERS
MANIPOLDS
HIDE TOUGHNESS PENETRATION RESISTANCE BORING 2
UF SPLIT SPOON BORING
BT BORING
RT--DYNAMIC PENETRATION TESTS -- PIPELINES
-- PIPES (FIELD)

PENETRATION RESISTANCE (SOILS)

SPLIT SPOON SAMPLERS

STANDARD PENETRATION TESTS -- PIPES
-- PRESSURE CONDUITS
PRESSURE PIPES
PRESSURE TUNNELS
STEEL PIPES
SURGE TANKS
TRIFURCATIONS
VELOCITY DISTRIBUTIONS
WATER PIPELINES
-- WATER PRESSURE PENETRATION RESISTANCE (SOILS) 2
UF SOIL PENETRATION RESISTANCE
STANDARD PENETRATION RESIST 2 4 5 ANCE (SOILS) PENETRATION RESISTANCE WATER TUNNELS CONE INDEX
--CONE PENETRATION TESTS PENTAERYTHRITOL TETRANITRATE 4 -- CONE PENETROMETERS
-- DRIVE SAMPLERS
-- DROP HAMMER PENETROMETERS use PETN PENTOLITE 2 4 -- HARDNESS -- PENETRATION NOTE: Mixture of TNT and PETN BT EXPLOSIVES PENETRATION DEPTH PREDICTION PENETRATION RESISTANCE BORING PETN -- PENETROMETERS
SOIL PENETRATION
-- SOIL PENETRATION TESTS RDX TETRYL -- SOIL STRENGTH PER CENT COMPACTION SPLIT SPOON SAMPLERS TERRADYNAMICS

use DEGREE OF COMPACTION

PER CENT CONSOLIDATION use DEGREE OF CONSOLIDATION PER CENT SATURATION 2
UF DEGREE OF SATURATION
RT--VOID RATIO
--WATER CONTENT (SOILS) WET DENSITY PERCHED WATER 1 2
NOTE: Groundwater which is separated from an underlying body of water by a confining bed BT GROUNDWATER WATER RT AQUICLUDES -- AQUIFERS PERCHED WATER TABLE PERCHED WATER TABLE 1 2 BT WATER TABLE RT AQUICLUDES -- AQUIFERS -- GROUNDWATER PERCHED WATER WATER LEVELS PERCOLATING WATER 1 2 BT SUBSURFACE WATERS RT CONFINED WATERS PERCOLATION SUBSURFACE RUNOFF UNDERGROUND STREAMS -- GROUNDWATER PERCOLATION 1 2 NOTE: Downward flow or infiltra-tion of water through the pores or spaces of a rock or soil F SOIL PERCOLATION BT FLOW UNSATURATED FLOW CAPILLARY FLOW -- DRAINAGE EXTRACTION FILTRATION FLUM THROUGH POROUS MEDIA GRAVITATIONAL WATER GRAVITY FLOW (GROUNDWATER) -- GROUNDWATER -- GROUNDWATER
-- GROUNDWATER SOURCES
HYDRAULIC CONDUCTIVITY
INDUCED INFILTRATION
INFILTRATION (WATER) -- IRRIGATION WATER LEACHING (SOILS) -- LEAKAGE LYSIMETERS MOLE DRAINAGE PERCOLATING WATER --PERMEABILITY PERVIOUS SOILS
PONDING TESTS
- POROSITY
RAINPALL RUNOFF RELATIONSHIPS -- SEEPAGE
-- SEPARATION
SPECIFIC YIELD
SPREADING BASINS
-- SUBSURFACE DRAINAGE -- SEEPAGE -- UNDERSEEPAGE -- VADOSE WATER VOIDS PERCUSSION CORE BARRELS 2
UF CABLE TOOL CORE BARRELS
BT CORE BORING SAMPLERS
SAMPLERS

PERCUSSION DRILLING PERCUSSION DRIVE SAMPLERS

-- ROCK SAMPLERS -- SOIL SAMPLERS

PERCUSSION DRILL RIGS UF CHURN DRILL RIGS
BT DRILL RIGS
DRILLING EQUIPMENT
RT PERCUSSION DRILLING PERCUSSION DRILLING 2
UF CABLE TOOL DRILLING
CHURN DRILLING DRILLING BAILERS PERCUSSION CORE BARRELS
PERCUSSION DRILL RIGS
PERCUSSION DRIVE SAMPLERS SAND PUMPS SPUDDING WELL CONSTRUCTION PERCUSSION DRIVE SAMPLERS 2
UF CABLE TOOL DRIVE SAMPLERS
BT DRIVE SAMPLERS SAMPLERS
SOIL SAMPLERS
SOIL SAMPLERS
DISPLACEMENT SAMPLERS
DISTURBED SAMPLING
PERCUSSION CORE BARRELS
PERCUSSION DRILLING SPLIT SPOON SAMPLERS THICK WALL OPEN SAMPLERS PERENNIAL STREAMS BT STREAMS RUNNING WATERS RT EPHEMERAL STREAMS - RIVERS -- STREAM FLOW PERFORMANCE RT HUMAN FACTORS ENGINEERING PERFORMANCE PREDICTIONS --PERFORMANCE TESTS -- STANDARDS PERFORMANCE PREDICTIONS 5 6
BT PREDICTIONS
RT- EVALUATION
MOBILITY MODELS
ONE-PASS PERFORMANCE PERFORMANCE RELIABILITY SLOPE PERFORMANCE TIRE PERFORMANCE TRACK PERFORMANCE TRAFFICABILITY PREDICTION
-- VEHICLE PERFORMANCE WATER PERFORMANCE PERFORMANCE TESTS 1 3 5 6

NT PAVEMENT PERFORMANCE AND
EVALUATION
PERFORMANCE TESTS (CONCRETE)
PERFORMANCE TESTS (VEHICLES)
RT ACCEPTABILITY
ACCEPTANCE TESTS -- INSPECTION PERFORMANCE SPECIFICATIONS -- STANDARDS PERFORMANCE TESTS (CONCRETE)
BT FERFORMANCE TESTS
RT ACCEPTANCE TESTS
CONCRETE FERFORMANCE
-- QUALITY CONTROL
SPECIFICATIONS
-- STANDARDS -- STANDARDS PERFORMANCE TESTS (PAVEMENTS)
USE PAVEMENT PERFORMANCE AND
EVALUATION

EXTRUSIVE ROCKS PERLITE IGNEOUS ROCKS ROCKS RT-- AGGREGATES -- FILLERS
-- INSULATION
-- LIGHTWEIGHT AGGREGATES DRAWBAH FULL
-EVALUATION
FUEL CONSUMETION
ONE-PASS PERFORMANCE
SLOPE PERFORMANCE
-SPECIFICATIONS
TIRE PERFORMANCE
VEHICLE PERFORMANCE
WATTER PERFORMANCE OBSIDIAN PUMICE RHYOLITE VERMICULITE PERMAPROST 1 2 5 7
NOTE: Perennially frozen ground
RT ACTIVE FROST ZONE
ARCTIC REGIONS WATER PERFORMANCE PERICLASE 3
use MAGNESIUM OXIDES -- CLIMATOLOGY CONSTRUCTION IN PERMAFROST PERIGLACIAL PHENOMENA ERIGLACIAL PHENOMENA 2
NOTE: Refers to areas, conditions, processes, and deposits adjacent to the margin of a glacier
RT CRYOLOGY
-- GLACIAL DEPOSITS
GLACIAL DRIFT
-- GLACIAL FEATURES
GLACIAL JEACUAGY
GLACIAL MORPHOLOGY
-- GLACIATION
GLACIERS CRYOLOGY FREEZE- THAW -- FREEZING FROST
-- FROST ACTION
FROST PENETRATION
FROZEN ROCKS FROZEN SOILS ICE LENSES
PERMAFROST PROPERTIES
PERMAFROST REGIONS
-- POLAR REGIONS GLACIERS GLACIOLOGY SUBARCTIC REGIONS TUNDRA SUBARCTIC REGIONS PERIMETER SHEAR 2 RT--SHEAR STRENGTH --SHEAR TESTS PERMAFROST CONSTRUCTION 2 5
use CONSTRUCTION IN PERMAFROST PERMAPROST DRILLING 2
BT DRILLING
RT COLD WEATHER OPERATIONS
CONSTRUCTION IN PERMAPROST PERIODIC FUNCTIONS 6

UF TRIGONOMETRIC FUNCTIONS

BT FOURIER ANALYSIS
FUNCTIONS (MATHEMATICS) PERMAFROST REGIONS PERMAFROST PROPERTIES 2 5
RT CONSTRUCTION IN PERMAFROST
FROST PENETRATION
ICE COHESION
ICE STRENGTH PERIODIC VARIATIONS 1 2 4 5 6 7 UF PERIODICITY
NOTE: Use of a more specific term is recommended; consult the terms
is recommended; consult the terms
listed below
ALTERNATING LOADS
CLIMATOLOGY
DIURNAL VARIATIONS
MIGRATION PERMAFROST PERMAFROST REGIONS PERMAFROST REGIONS BT ENVIRONMENTS 2 5 PHOTOPERIODISM SEASONAL VARIATIONS REGIONS REGIONS
ANTARCTIC REGIONS
ARCTIC REGIONS
CLIMATOLOGY
COLD WEATHER CONSTRUCTION
COLD WEATHER OPERATIONS
CONSTRUCTION IN PERMAFROST
DEPOST DENETRATION TIDES VARIABILITY WAVEFORMS PERIODIC WAVES 1 2 4 6
BT WAVES
NT PERIODIC WAVES (WATER) FROST PENETRATION FROST PROTECTION FROZEN ROCKS FROZEN SOILS PERIODIC WAVES (WATER)
BT PERIODIC WAVES
WATER WAVES GEOGRAPHY PERMAFROST PERMAFROST DRILLING PERMAFROST PROPERTIES PERIODICALS -- POLAR REGIONS SUBARCTIC REGIONS PERIODICITY 7
use PERIODIC VARIATIONS TUNDRA PERIPHYTON PERMANENT LOADS 2 3 4
use STATIC LOADS ERIPHYTON 7
NOTE: Assemblage of the microorganisms which form a slimy
coating on the stems and leaves
of submerged plants, stones, and
other objects on lake bottoms
UF AUFWUCHS
BT MICROORGANISMS
RT--AUGAE PERMEABILITY 1 2 3 4
UF IMPERMEABILITY
WATERTIGHTNESS BT MECHANICAL PROPERTIES
NT GAS PERMEABILITY (CONCRETE)
-- PERMEABILITY (CONCRETE)
PERMEABILITY (ROCK) -- AQUATIC ALGAE
-- AQUATIC ANIMALS
-- MARINE ANIMALS
-- PLANTS (BOTANY)
SESSILE ALGAE

PERMEABILITY (SOILS) (Con.)
RT--COMPACTION (SOILS)
--DENSIFICATION (SOILS)
EFFECTIVE GRAIN SIZE
IMPERVIOUS SOILS
--LABORATORY PERMEABILITY TESTS
PERVIOUS SOILS
EFFICE WELL THEODY PERMEABILITY (Con.)
PERMEABILITY (SOILS)
WATER PERMEABILITY (CONCRETE)
RT AQUICLUDES AQUIFERS CAPILLARITY CAPILLARY FLOW COEFFICIENT OF PERMEABILITY RELIEF WELL THEORY SAND DRAIN DESIGN DARCYS LAW
-- DENSITY (MASS/VOLUME) -- SEEPAGE
-- SOIL CLASSIFICATION
SOIL POROSITY
SOIL VOID RATIO -- DIFFUSION
-- DIFFUSIVITY -- DIFFUSIVITY

-- DRAINAGE
DUPUITS EQUATION
FILTER TESTS
FILTRATION
FLOW THROUGH POROUS MEDIA

-- GROUNDWATER FLOW
HYDRAULIC CONDUCTIVITY
HYDROLOGIC PROPERTIES
IMPERVIOUS BLANKETS
INFILTRATION (WATER) WATERPROOFING (SOILS) PERMEABILITY TESTS 1 2 3

NT CONSTANT HEAD TESTS
FALLING HEAD TESTS
-- FIELD PERMEABILITY TESTS
-- LABORATORY PERMEABILITY TESTS
OPEN END TESTS
PRESSURE TESTS (DRILL HOLES)
PUMPING TESTS (WELLS)
THIRM TEST INFILTRATION (WATER)
-- LEAKAGE THIEM TEST COEFFICIENT OF PERMEABILITY -- LEARAGE.
-- MEMBRANES
PERCOLATION
-- PERMEABILITY TESTS
-- PERMEAMETERS -- CONCRETE TESTS DEWATERING INFILTRATION CAPACITY INFILTRATION RATE PONDING PONDING TESTS -- PERMEABILITY
-- PERMEABILITY (CONCRETE) -- POROSITY
-- POROSITY
-- POROUS MATERIALS
POROUS MEDIA
PUMPING TESTS (WELLS) PRESSURE TESTS PERMEABILITY TESTS WITH BACK PRESSURE 2 SATURATED FLOW
-- SEEPAGE
SEEPAGE THEORY
SPECIFIC RETENTION
SPECIFIC YIELD
SUBSURFACE DRAINAGE PRESSURE 2
BT SOIL TESTS (LABORATORY)
RT BACK PRESSURE BACK PRESSURE SATURATION
-- FINE GRAINED SOILS THEIS EQUATION
THIEM EQUATION
TRANSMISSIVITY
TWO-PART AQUIFERS PERMEABLE DIKES BT DIKES (TRAINING STRUCTURES)
RT IMPERMEABLE DIKES PILE DIKES -- UNDERSEEPAGE UNDERSEEPAGE THEORY STONE DIKES PERMEAMETERS 1 2
NOTE: Devices for measuring UNSATURATED FLOW VISCOSITY -- VOID RATIO -- VOIDS -- WATER YIELD WELL THEORY permeability
NT CONSTANT HEAD PERMEAMETERS
FALLING HEAD PERMEAMETERS
FT COEFFICIENT OF PERMEABILITY
DARCYS LAW PERMEABILITY COEFFICIENT 1 2
use COEFFICIENT OF PERMEABILITY FLOW MEASUREMENT
-- LABORATORY PERMEABILITY TESTS LYSIMETERS PERMEABILITY (CONCRETE) 3
UF CONCRETE PERMEABILITY
BT CONCRETE PROPERTIES
MECHANICAL PROPERTIES -- PERMEABILITY PERMIAN PERIOD BT PALEOZOIC ERA MECHANICAL PROPERTIES
FERMEABILITY
GAS PERMEABILITY (CONCRETE)
WATER PERMEABILITY (CONCRETE)
LEACHING (CONCRETE)
PERMEABILITY TESTS PERMISSIBLE SOIL PRESSURE 2
use ALLOWABLE BEARING CAPACITY PERMISSIBLE VELOCITY 1
RT CAVITATION INDEX
CRITICAL VELOCITY
--FLUID FLOW
OPEN CHANNEL FLOW PERMEABILITY REDUCING AGENTS
RT--CONCRETE ADMIXTURES PERMEABILITY (ROCK) PIPE FLOW PROTECTIVE COATINGS UF ROCK PERMEABILITY
BT MECHANICAL PROPERTIES PUMP INTAKES PERMEABILITY ROCK PROPERTIES ITS 6 LICENSES REGULATIONS PERMITS PRESSURE TESTS (DRILL HOLES)
ROCK CLASSIFICATION ROCK POROSITY - ROCK TESTS (LABORATORY) PERSONNEL 6 RT ORGANIZATION CHARTS

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PERSONNEL CARRIERS

-- COMBAT VEHICLES

UP ARMORED PERSONNEL CARRIERS
BT MILITARY VEHICLES
RT--AMPHIBIOUS VEHICLES

PERMEABILITY (SOILS)

SOIL PERMEABILITY
MECHANICAL PROPERTIES

SURFACE COMPOSITION FACTORS

PERMEABILITY SOIL PROPERTIES

1 2 4 5

SONNEL CARRIERS (Con.)
-- OFF-ROAD VEHICLES
-- ROAD VEHICLES
-- SELF PROPELLED VEHICLES
-- TRACKED VEHICLES
-- WHEELED VEHICLES PERSONNEL CARRIERS PESTICIDE DRIFT RT AEROSOLS
DUST
PESTICIDE RESIDUES -- PESTICIDES PESTICIDE RESIDUES 7
RT AGRICULTURAL WASTES
BIOASSAY
CHEMICAL WASTES
CONTAMINANTS
FISH KILLS
MORTALITY
PESTICIDE DRIFT PERSONNEL SHELTERS
USe SHELTERS 2 3 4 PROGRAM EVALUATION REVIEW
TECHNIQUE
MANAGEMENT METHODS
OPERATIONS RESEARCH
CRITICAL PATH METHOD
FLOW CHARTS UF PESTICIDE TOXICITY
-- PESTICIDES PHYTOTOXICITY PUBLIC HEALTH -- MANAGEMENT PROJECT CONTROL -- PROJECT MANAGEMENT PROJECT PLANNING SOIL CONTAMINATION WATER POLLUTION SOURCES PESTICIDE TOXICITY 7
BT TOXICITY
RT BALANCE OF NATURE SCHEDULING PERTURBATION THEORY
RT QUANTUM THEORY
WAVE FUNCTIONS FISH KILLS PESTICIDE RESIDUES -- PESTICIDES
PHYTOTOXICITY -- WAVES -- POISONS PUBLIC HEALTH PERVIOUS LININGS 1 2 BT LININGS
RT CANAL LININGS
EARTH LININGS
GRAVEL BLANKETS PESTICIDES NOTE: Agents or substances that destroy pests, e.g., a fungicide or insecticide NT ALGICIDES PERVIOUS MEMBRANES -- RIPRAP -- CHLORINATED HYDROCARBON PESTICIDES PERVIOUS MEMBRANES BT MEMBRANES RT--OSMOSIS DDT DIELDRIN PERVIOUS LININGS FUMIGANTS FUNGICIDES HERBICIDES INSECTICIDES PERVIOUS SOILS RT-- AQUIFERS ORGANOPHOSPHORUS PESTICIDES RODENTICIDES -- COARSE GRAINED SOILS COHESIONLESS SOILS -- GRANULAR MATERIALS -- GRAVELS RT AIR POLLUTION -- ALGAE -- GROUNDWATER INFILTRATION (WATER) AQUATIC PLANT CONTROL ATTRACTANTS PERCOLATION PERMEABILITY (SOILS) BACTERICIDES BIOASSAY - SANDS SOILS
- SILTY SOILS
SINGLE GRAINED STRUCTURE DESICCANTS
HALF-LIFE
-- HAZARDOUS MATERIALS
INHIBITORS PEST CONTROL
PESTICIDE DRIFT
PESTICIDE RESIDUES
PESTICIDE TOXICITY (SOILS) SOIL TEXTURE PEST CONTROL OTE: Control of plants or animals detrimental to man or to his PHYTOTOXICITY -- POISONS interests
ALGAL CONTROL PETN PENTAERYTHRITOL TETRANITRATE EXPLOSIVES DETONATING CORD PENTOLITE AQUATIC PLANT CONTROL
INSECT CONTROL
-- WEED CONTROL
RT AGRICULTURE UF ATTRACTANTS BIOLOGICAL CONTROL RDX TETRYL TNT CHEMCONTROL DESICCANTS PETROFABRICS DISINFECTION 2 NOTE: Study of rock fabric RT CRYSTALLOGRAPHY DEPOSITION FOGGING FUMIGANTS INSECTS -- PESTICIDES
PUBLIC HEALTH
SANIYARY ENGINEERING
SANITATION GRAIN SHAPES GRAIN SIZES LITHOLOGY METAMORPHISM MICROSTRUCTURE STERILIZATION -- MINERALOGY PARTICLES PETROGRAPHY

1

-- PETROLOGY

PETROFABRICS (Con.) ROCK ANALYSIS
ROCK MECHANICS
STRUCTURAL GEOLOGY
STRUCTURAL PETROLOGY PETROGRAPHIC ANALYSIS 2 3

UF PETROGRAPHIC INVESTIGATIONS
BT GEOLOGICAL INVESTIGATIONS
RT CHYSTALLOGRAPHY
ELECTRON MICROSCOPY -- MICROSCOPY -- MINERALOGY PETROGRAPHIC EXAMINATION PETROGRAPHY ROCK ANALYSIS X RAY ANALYSIS PETROGRAPHIC EXAMINATION 2 3
UF PETROGRAPHIC INVESTIGATIONS
RT PETROGRAPHIC ANALYSIS PETROGRAPHIC INVESTIGATIONS 2
use PETROGRAPHIC ANALYSIS
PETROGRAPHIC EXAMINATION PETROGRAPHY 2 3

NOTE: Branch of geology dealing with the description and systematic classification of rocks

BT GEOLOGY
PHYSICAL GEOLOGY
RT CRYSTALLOGRAPHY
-- ECONOMIC GEOLOGY LITHOLOGY -- MICROSCOPY MICROSTRUCTURE
-- MINERALOGY PETROGRAPHIC ANALYSIS
-- PETROLOGY
ROCK MECHANICS -- ROCKS X RAY DIFFRACTION UF CRUDE OIL BT OILS PETROLEUM BT OILS
-- ORGANIC DEPOSITS
RT ASPHALT EMULSIONS
-- BITUMENS
-- ECONOMIC GEOLOGY
-- GEOLOGICAL DEPOSITS
-- HYDROCARBONS
OIL AND GAS FIELDS
OIL AND GAS MAPS
OIL POLLUTION
OIL RESERVOIRS OIL RESERVOIRS
OIL SHALES
OIL WELLS
PETROLEUM ENGINEERING
PETROLEUM GEOLOGY
POL STORAGE
STORAGE STORAGE TANKS PETROLEUM ENGINEERING 2 RT CHEMICAL ENGINEERING T CHEMICAL ENGINEERING
-- DRILLING BARGES
-- DRILLING EQUIPMENT
GAS RESERVOIRS
GAS WELLS
MINING ENGINEERING
OIL AND GAS FIELDS
OIL AND GAS FIELDS
OIL FIELD CORE BARRELS
OIL FIELD CORE BARRELS
OIL RESERVOIRS
OIL SALES OIL SHALES OIL WELLS PETROLEUM PETROLEUM GEOLOGY

POL STORAGE

PETROLEUM GEOLOGY 1 2
BT ECONOMIC GEOLOGY
GEOLOGY

PETROLEUM GEOLOGY (Con.) RT ENGINEERING GEOLOGY T ENGINEERING GEOLOGY
GAS RESERVOIRS
GAS WELLS
GEOCHEMISTRY
-- GEOPHYSICAL EXPLORATION
HYDROGEOLOGY
MARINE GEOLOGY
--MINERALOGY
OIL AND GAS FIELDS
OIL AND GAS MAPS
OIL FIELD CORE BARRELS
OIL RESERVOIRS
OIL SHALES
OIL WELLS OIL WELLS
-- ORGANIC DEPOSITS PALEONTOLOGY
PETROLEUM
PETROLEUM ENGINEERING
- PETROLOGY SALT DOMES SEDIMENTOLOGY STRATIGRAPHY PETROLEUM-OILS-LUBRICANTS STORAGE 2 4 use POL STORAGE PETROLOGY 2 3
NOTE: Branch of geology dealing
with the origin, occurrence,
structure and history of rocks
BT GEOLOGY PHYSICAL GEOLOGY IGNEOUS PETROLOGY METAMORPHIC PETROLOGY SEDIMENTARY PETROLOGY STRUCTURAL PETROLOGY RT--ECONOMIC GEOLOGY GEOCHEMISTRY GEOPHYSICS LITHOLOGY MICROSTRUCTURE -- MINERALOGY MINING ENGINEERING PETROFABRICS PETROGRAPHY PETROLEUM GEOLOGY
ROCK ANALYSIS
ROCK MECHANICS
-- ROCKS
STRATIGRAPHY
STRUCTURAL GEOLOGY H 1 2 3 7
NOTE: Numerical value between 0
and 14 used to indicate the
degree of acidity or alkalinity
UF HYDROGEN ION CONCENTRATION UF HYDROGEN ION CONCER BT CHEMICAL PROPERTIES RT ACIDITY ACIDS -- ALKALIES ALKALINITY
-- WATER CHEMISTRY WATER PROPERTIES pH TESTS 2 3 NT pH TESTS (SOILS) RT ACIDITY ACIDS -- ALKALIES
-- CHEMICAL ANALYSIS
-- CORROSION PREVENTION
GROUNDWATER CHEMISTRY -- WATER CHEMISTRY WATER SAMPLING pH TESTS (SOILS) 2
BT pH TESTS
RT ACID SOILS
ALKALINE SOILS
SOIL CHEMISTRY

PHAEOPHYTA 7
NOTE: Category of algae that have the chlorophyll masked by brown pigments, which are mostly marine and diverse in form UF BROWN ALGAE BT-- ALGAE AQUATIC ALGAE
PLANTS (BOTANY)
RT-- AQUATIC MICROORGANISMS
-- AQUATIC PLANTS PHASE SPECTRUM (WAVES)
use WAVE SPECTRA PHASE VELOCITY OF WATER WAVES use WATER WAVE DISPERSION PHASE VELOCITY OF WAVES use WAVE DISPERSION PHENOLIC COMPOUNDS RT EPOXY RESINS
NYLON FIBERS
ORGANIC COMPOUNDS PHENOLIC RESINS PHENOLIC LAMINATES COMPOSITE MATERIALS LAMINATED PLASTICS REINFORCED PLASTICS EPOXY LAMINATES PHENOLIC RESINS POLYESTER LAMINATES PHENOLIC RESINS 2 3
BT RESINS (SYNTHETIC)
RT PHENOLIC COMPOUNDS
PHENOLIC LAMINATES HENOLOGY 7
NOTE: Study of the periodic phenomena of animal and plant life
and their relations to the weather
and climate, e.g. the time of
flowering in plants
RT BIORHYTHMS
--ECOLOGY
--ENVIRONMENTAL EFFECTS
LIFE COVERS LIFE CYCLES MIGRATION PHOTOPERIODISM PLANT GROWTH PHENOLS NOTE: Group of organic compounds that in very low concentrations produce a taste and odor problem in water; in higher concentra-tions, they are toxic to aquatic RT CHEMICAL WASTES
-- INDUSTRIAL WASTES
WATER POLLUTION SOURCES HOSPHATES 2 7
NOTE: Salts of phosphoric acid
BT SALTS
NT ADENOSINE PHOSPHORIC PHOSPHATES AGRICULTURAL ENGINEERING CHEMICAL SOIL STABILIZATION DEFLOCCULANTS DISPERSANTS FERTILIZERS HOSPHORUS 3 7 BT NONMETALS RT PHOSPHORUS CYCLE PHOSP HORUS

PHOSPHORUS CYCLE 7
BT BIOGEOCHEMICAL CYCLE
RT ENRICHMENT

PHOSPHORUS INORGANIC COMPOUNDS NT CALCIUM PHOSPHATES OTOCELLS 6
use PHOTOELECTRIC CELLS PHOTOCHEMICAL REACTIONS 7 NOTE: Pertaining to the chemical effects of light NT PHOTOSYNTHESIS PHOTOELASTIC COATINGS 2 3 BT COATINGS
RT PHOTOELASTIC METHOD
PHOTOELASTIC MODELS
PHOTOELASTICITY STRESS ANALYSIS PHOTOELASTIC METHOD 2 3 NOTE: Method of determining stresses or strains in trans-parent materials by means of polarized light RT--CAMERAS CAMERAS
ELECTRIC ANALOGS
GELATIN MODELS
METALLOGRAPHY
PHOTOELASTIC COATINGS
PHOTOELASTIC MODELS
STRESS ANALYSIS
STRESS CONCENTRATION
STRESS DISTRIBUTION PHOTOELASTIC MODELS BT MODELS RT GELATIN MODELS PHOTOELASTIC COATINGS PHOTOELASTIC METHODS PHOTOELASTICITY
STRESS ANALYSIS
STRESS CONCENTRATION
STRESS DISTRIBUTION -- STRUCTURAL MODELS PHOTOELASTICITY 1 2 3 5
RT ELASTIC MEDIA
ELASTICITY
-- MECHANICAL PROPERTIES MODEL TESTS -- MODELS PHOTOELASTIC COATINGS PHOTOELASTIC MODELS STRESS ANALYSIS STRESS CONCENTRATION STRESS DISTRIBUTION PHOTOELECTRIC CELLS
UF PHOTOCELLS
RT PHOTOMETERS
SOLAR CELLS PHOTOELECTRICITY RT OPTICAL PROPERTIES PHOTOGEOLOGY 2
NOTE: Geological interpretation
of aerial photographs
BT GEOLOGY
RT AIRPHOTO INTERPRETATION
AERIAL PHOTOGRAPHS
AERIAL PHOTOGRAPHY
AERIAL SURVEYS -- CAMERAS GEOLOGIC MAPPING -- GEOMORPHOLOGY MILITARY GEOLOGY PHOTOGRAMMETRY
PHOTOGRAPHIC RECONNAISSANCE
-- PHOTOINTERPRETATION
REMOTE SENSING PHOTOGRAMMETRY

HOTOGRAMMETRY 1 2 5 RT AERIAL PHOTOGRAPHS AERIAL PHOTOGRAPHY

PHOTOGRAMMETRY (Con.)
AERIAL SURVEYS
AIRPHOTO INTERPRETATION CAMERAS CONFORMAL MAPPING GEODETIC SURVEYS GEOLOGICAL SURVEYS HYDROGRAPHIC SURVEYS INFRARED PHOTOGRAPHY -- MAPPING -- MAPS MOSAICS MULTIBAND PHOTOGRAPHY
PHOTOGEOLOGY
PHOTOGRAPHIC ANALYSIS
PHOTOGRAPHIC RECONNAISSANCE -- PHOTOGRAPHS
-- PHOTOGRAPHY -- PHOTOINTERPRETATION
REMOTE SENSING
STEREOGRAPHIC PROJECTION
STEREOSCOPIC PHOTOGRAPHY - SURVEYING
TERRAIN ANALYSIS
- TERRAIN MAPPING
TOPOGRAPHIC MAPPING
TOPOGRAPHIC SURVEYS PHOTOGRAPHIC ADHESIVES 2 BT ADHESIVES RT--PHOTOGRAPHY PHOTOGRAPHIC ANALYSIS 1 RT HIGH SPEED PHOTOGRAPHY PHOTOGRAMMETRY PHOTOGRAPHIC EQUIPMENT 1 6 UF PHOTOGRAPHIC LIGHTING EQUIPMENT NT-BOREHOLE CAMERAS BOREHOLE TV CAMERAS -- CAMERAS LENSES RT HIGH SPEED PHOTOGRAPHY MICROFILM MICROPHOTOGRAPHY --PHOTOGRAPHS -- PHOTOGRAPHY STEREOSCOPES STEREOSCOPIC PHOTOGRAPHY
-- TELEVISION PHOTOGRAPHIC INTERPRETATION 1 2 5 6 use PHOTOINTERPRETATION PHOTOGRAPHIC LENSES 6
use LENSES PHOTOGRAPHIC LIGHTING EQUIPMENT use PHOTOGRAPHIC EQUIPMENT PHOTOGRAPHIC RECONNAISSANCE 1 2 5
BT RECONNAISSANCE
RT AERIAL PHOTOGRAPHY
AERIAL SURVEYS
GEODETIC SURVEYS
INFRARED MAPPING
INFRARED PHOTOGRAPHY
-- MAPPING MAPPING MULTIBAND PHOTOGRAPHY PHOTOGEOLOGY PHOTOGRAMMETRY
-- PHOTOINTERPRETATION GRAPHS 1 2 5 6
AERIAL PHOTOGRAPHS
STEREOSCOPIC PHOTOGRAPHS PHOTOGRAPHS HT AERIAL PHOTOGRAPHY
-- CAMERAS
FILMS (PHOTOGRAPHY)
HIGH SPEED PHOTOGRAPHY) MOSATOS PHOTOGRAMMETRY -- PHOTOGRAPHIC EQUIPMENT -- PHOTOGRAPHY -- PHOTOINTERPRETATION

PHOTOGRAPHY 1 2 5 6
NT AERIAL PHOTOGRAPHY
BOREHOLE PHOTOGRAPHY COLOR PHOTOGRAPHY FLASH PHOTOGRAPHY HIGH SPEED PHOTOGRAPHY INFRARED PHOTOGRAPHY MICROPHOTOGRAPHY PHOTOMICROGRAPHY SCHLIEREN PHOTOGRAPHY
-- SHADOWGRAPH PHOTOGRAPHY
SPACE PHOTOGRAPHY
STEREOSCOPIC PHOTOGRAPHY UNDERWATER PHOTOGRAPHY RT-- CAMERAS FILMS (PHOTOGRAPHY) GRAPHIC ARTS HOLOGRAPHY -- MAPPING
PHOTOGRAMMETRY
PHOTOGRAPHIC ADHESIVES
-- PHOTOGRAPHIC EQUIPMENT
-- PHOTOGRAPHS - RADIOGRAPHY
REMOTE SENSING
SLIDES (PROJECTION)
TERRAIN ANALYSIS PHOTOGRAPHY (SUBMARINE) 1
use UNDERWATER PHOTOGRAPHY PHOTOINTERPRETATION 1 2 5 6
UF PHOTOGRAPHIC INTERPRETATION
NT AIRPHOTO INTERPRETATION
RT AERIAL PHOTOGRAPHY
DATA ACQUISITION
PHOTOGEOLOGY PHOTOGRAMMETRY PHOTOGRAPHIC RECONNAISSANCE -- PHOTOGRAPHS TERRAIN ANALYSIS PHOTOMETERS HOTOMETERS 1 3 6 7
BT MEASURING INSTRUMENTS
RADIATION MEASURING INSTRUMENTS HYDROPHOTOMETERS COLORIMETERS COLORIMETRIC ANALYSIS FLAME PHOTOMETRY PHOTOELECTRIC CELLS
-- PHOTOMETRY SPECTROMETERS SPECTROPHOTOMETERS SPECTROPHOTOMETRY TURBIDIMETERS OTOMETRY 3 6
NT FLAME PHOTOMETRY
RT--CHEMICAL ANALYSIS
COLORIMETRIC ANALYSIS
LIGHT (ILLUMINATION) PHOTOMETRY LIGHTING PHOTOMETERS SPECTROPHOTOMETERS SPECTROPHOTOMETRY PHOTOMICROGRAPHY 2 3 6 NOTE: Process of producing en-larged photographs of a micro-scopic object BT PHOTOGRAPHY BT PHOTOGRAPH:
RT ELECTRON MICROSCOPES
ELECTRON MICROSCOPY METALLOGRAPHY MICRORADIOGRAPHY -- MICROSCOPES
-- MICROSCOPY SOIL MICROBIOLOGY SOIL MICROMORPHOLOGY PHOTONS 7 HOTOPERIODISM 7
NOTE: Degree of response of an organism to the amounts of darkness and light that it receives PHOTOPERIODISM

HOTOPERIODISM (Con.)
RT BIORHYTHMS
DIURNAL VARIATIONS
--ENVIRONMENTS PHOTOPERIODISM MICROENVIRONMENT PHENOLOGY PHYSIOLOGICAL ECOLOGY PLANT GROWTH PHOTOSYNTHESIS 7

NOTE: Synthesis of carbohydrates from carbon dioxide and water by chlorophyll using light as energy with oxygen as a by-product UF CARBON FIXATION BT PHOTOCHEMICAL REACTIONS RT AUTOTROPHIC ORGANISMS
-- BIOGEOCHEMICAL CYCLE CHEMOSYNTHESIS CHLOROPHYLLS
-- DISSOLVED GASES CHLOROPHYLLS
- DISSOLVED GASES
- OXYGEN DEMAND
PHOTOSYNTHETIC BACTERIA
PHOTOTROPHIC ORGANISMS PHYTOPLANKTON PIGMENTS
PRIMARY PRODUCTIVITY
RESPIRATION -- TRANSPIRATION PHOTOSYNTHETIC BACTERIA BT ANAEROBIC BACTERIA BACTERIA MICROORGANISMS PLANTS (BOTANY) NITROGEN FIXING BACTERIA PHOTOSYNTHESIS PHOTOTROPHIC ORGANISMS 7
NOTE: Organisms that can obtain energy from sunlight
BT PLANTS (BOTANY)
RT AUTOTROPHIC ORGANISMS PHOTOSYNTHESIS PHOTOTROPISM 7
NOTE: Turning toward a light of a plant shoot
RT PLANT GROWTH PHREATIC LINE 1 2
NOTE: Upper free water at the zone of seepage
UF LINE OF SEEPAGE
PHEATIC SURFACE
SEEPAGE LINE
RT AQUIFER TESTS
BANKS DRAIN SPACING -- DRAWDOWN DRAWDOWN CURVES -- EMBANKMENTS FLOW NETS -- GROUNDWATER -- GROUNDWATER FLOW -- HYDRAULIC GRADIENTS PIEZOMETRIC HEAD RAPID DRAWDOWN
ROCKFILL DAMS
SATURATION ZONES (SOILS) -- WATER TABLE PHREATIC SURFACE use PHREATIC LINE PHREATIC WATER 1 2 PHREATOPHYTES 1 7
BT PLANTS (BOTANY)
RT AQUATIC PLANTS
WATER LOSS
--WATER TABLE

PHYLOGENY 7
NOTE: Evolutionary history of a group of organisms PHYSICAL CHEMISTRY 6
BT CHEMISTRY
RT-CHEMICAL ANALYSIS
CHEMICAL ENGINEERING CHEMICAL PROPERTIES ELECTROCHEMISTRY STOICHIOMETRY THERMODYNAMICS PHYSICAL GEOGRAPHY 1 2 6 use GEOGRAPHY PHYSICAL GEOLOGY 2

NT ALLUVIAL MORPHOLOGY

COASTAL MORPHOLOGY -- GEOMORPHOLOGY GLACIAL MORPHOLOGY IGNEOUS PETROLOGY LITHOLOGY METAMORPHIC PETROLOGY PETROGRAPHY -- PETROLOGY SEDIMENTARY PETROLOGY -- SEDIMENTOLOGY
STRUCTURAL PETROLOGY
CRYSTALLOGRAPHY CRYSTALS. DYNAMIC GEOLOGY -- EROSION -- GEODYNAMICS -- GEOLOGICAL DEPOSITS GEOPHYSICS -- MINERALOGY -- MINERALS -- ROCKS
-- SOIL MINERALOGY
STRUCTURAL GEOLOGY
WEATHERING (GEOLOGY) PHYSICAL MEASUREMENTS 6
use MEASUREMENTS PHYSICAL PROPERTIES 1 2 3 4 5 6
NOTE: Use of a more specific term is
recommended; consult the terms
listed below
ACOUSTIC PROPERTIES ADSORPTION
CAFILLARITY
CAFILLARITY
CEMENT PROPERTIES
CHEMICAL ANALYSIS
CHEMICAL PROPERTIES
COLORS (MATERIALS)
CONDUCTIVITY
DAMPING CAPACITY
DENSITY (MASS/VOLUME)
DIELECTRIC PROPERTIES
DIFFUSIVITY
ELECTRICAL PROPERTIES
HEAT OF HYDRATION
HEAT OF SOLUTION
HYSTERESIS
INTERNAL FRICTION
ISOTROPY
MECHANICAL PROPERTIES
PERMEABILITY ADSORPTION PERMEABILITY
PERMEABILITY (CONCRETE)
PERMEABILITY (ROCK)
PERMEABILITY (SOILS) RELIABILITY RHEOLOGICAL PROPERTIES SOLUBILITY
SPECIFIC HEAT
THERMAL CONDUCTIVITY
THERMAL DIFFUSIVITY
THERMAL EXPANSION
THERMAL BROEFFIES THERMAL PROPERTIES PHYSICAL PROPERTIES (CEMENT)
use CEMENT PROPERTIES

PHYSICAL PROPERTIES (SOILS) 2 3 4 5 7

use SOIL PROPERTIES

PHYSICS NOTE: Use of a more specific term is recommended; consult the names of specific fields PHYSIOGRAPHIC GEOLOGY 1 2 use GEOMORPHOLOGY PHYSIOGRAPHIC MAPS 2 BT MAPS RT-- GEOMORPHOLOGY PHYSIOGRAPHIC TERRACES 2 BT TERRACES PHYSIOGRAPHY 1 2 6 use GEOMORPHOLOGY PHYSIOLOGICAL ECOLOGY 7 BT ECOLOGY PHYSIOLOGY RT- - ENVIRONMENTAL EFFECTS PHOTOPERIODISM PHYSIOLOGY NOTE: Branch of biology that deals with the functions and processes carried on by plants and animals

NT PHYSIOLOGICAL ECOLOGY
RT HOMEOSTASIS -- METABOLISM PHYTOPLANKTON 7 NOTE: Plants occurring in plank-ton (floating plants) BT AQUATIC PLANTS PLANKTON PLANTS (BOTANY) RT- - ALGAE -- AQUATIC BACTERIA
AQUATIC MICROBIOLOGY
-- AQUATIC MICROORGANISMS -- FUNGI MARINE ALGAE MARINE BACTERIA -- MARINE PLANTS NANNOPLANKTON PHOTOSYNTHESIS PRIMARY PRODUCTIVITY PHYTOTOXICITY 7
NOTE: Toxic effect produced by or on a plant
BT TOXICITY
RT PESTICIDE RESIDUES
PESTICIDE TOXICITY -- PESTICIDES -- PLANTS (BOTANY) -- POISONS PIER END WAVES 1 NOTE: Caused by flow around spillway piers BT WAVES BT WAVES RT SPILLWAY CREST PIERS PIERS (DOCKS) 1 2 3 4

NOTE: Structures built out into navigable water for use as a landing place or to protect or form a harbor UF SHIP PIERS
BT HARBOR STRUCTURES
HARBOR FACILITIES
MARINE STRUCTURES
RT-- BREAKWATERS -- DOCKS FENDER PILES FENDERS HARBORS JETTIES MOORINGS

PILE FOUNDATIONS WHARVES

PIERS (SUPPORTS) 1 2 3 4

NT BRIDGE PIERS

SPILLWAY CREST PIERS RT- - ABUTMENTS -- CAISSONS COLUMN FOOTINGS
COLUMNS (SUPPORTS)
- DEEP FOUNDATIONS
DRILLED PIER FOUNDATIONS -- FOOTINGS -- PILES OBSTRUCTION TO FLOW -- STRUCTURAL MEMBERS -- SUPPORTS VERTICAL LOADS PIEZOELECTRIC EFFECT 2 6
use PIEZOELECTRICITY PIEZOELECTRIC GAGES 4
BT MEASURING INSTRUMENTS RT--PRESSURE MEASUREMENT PIEZOELECTRIC TRANSDUCERS BT TRANSDUCERS IEZOELECTRICITY 1 2 6

NOTE: Electricity or electric polarity due to pressure, especially in a crystalline substance (as quartz)

UF PIEZOELECTRIC EFFECT

BT ELECTRICAL PROPERTIES

MECHANICAL PROPERTIES PIEZOELECTRICITY RT CRYSTALS
ELECTRICAL RESISTIVITY
-- NONDESTRUCTIVE TESTS PIEZOMETERS 1 2 3 4 6 pressure head NOTE: Instruments for measuring BT GAGES
MEASURING INSTRUMENTS
PRESSURE GAGES
NT ELECTRICAL PIEZOMETERS
EMBANKMENT PIEZOMETERS
FOUNDATION PIEZOMETERS
HYDRAULIC PIEZOMETERS
PNEUMATIC PIEZOMETERS
RT-- DAM INSTRUMENTATION
DAM UNDERSEEFAGE
FILTER STONES FILTER STONES
HEAD LOSSES
-- HYDRAULIC GRADIENTS
LOAD CELLS
OBSERVATION WELLS PIEZOMETRIC HEAD PIEZOMETRIC SURFACE PLASTIC FILTERS
PORE PRESSURE MEASUREMENT PORE WATER PRESSURE
PRESSURE GRADIENTS
-- PRESSURE MEASUREMENT RELIEF WELLS SEEPAGE PRESSURE -- SENSORS -- WATER LEVELS
WATER TUNNELS (TESTING) PIEZOMETRIC HEAD 2 RT-- HYDRAULICS PHREATIC LINE -- PIEZOMETERS PIEZOMETRIC SURFACE PORE WATER PRESSURE PIEZOMETRIC LEVEL 2
use PIEZOMETRIC SURFACE PIEZOMETRIC SURFACE 2
NOTE: Surface at which water
will stand in a series of
piezometers
UF PIEZOMETRIC LEVEL

PIEZOMETRIC SURFACE (Con.) RT--PIEZOMETERS
PIEZOMETRIC HEAD
PORE WATER PRESSURE PIGMENTS NTS 3 7 CARBON BLACK CAROTENOIDS CHLOROPHYLLS IRON OXIDES -- PLANT PIGMENTS
BIOLOGY
CEMENT ADDITIONS
COLORS (MATERIALS) DYES -- FILLERS -- FINISHES FLUORESCENCE PAINTS PHOTOSYNTHESIS PILASTERS 3 RT--COLUMNS (SUPPORTS) --WALLS PILE ADHESION use SOIL ADHESION PILE ALLOWABLE STRESSES 2
use ALLOWABLE STRESSES (PILES) PILE BEARING CAPACITY BT BEARING CAPACITY
NT DYNAMIC BEARING CAPACITY P DYNAMIC BEARING CAPACITY
(PILES)
BUCKLING (PILES)
DYNAMIC PILE DRIVING FORMULAS
LATERAL LOADS (PILES)
MODEL PILE LOAD TESTS
PILE ECCENTRICITIES
PILE FOUNDATION DESIGN
--PILE FOUNDATIONS
BLE CROSSES PILE GROUPS
--PILE LOAD TESTS
PILE SETTLEMENT
PILE SPACING -- PILES --PILES
POINT RESISTANCE (PILES)
--SHAFT RESISTANCE (PILES)
SOIL ADHESION
--SOIL FENERBATION TESTS
STATIC PILE FORMULAS WAVE EQUATIONS (PILES) PILE CAPS NOTE: Reinforced or mass concrete top or connecting beam cast around the head of a group of piles so that they will act as a single unit to support the load 1mposed upon them
RT--PILE FOUNDATIONS
PILE GROUPS -- PILES PILE CORROSION 2 3
BT CORROSION
RT CONCRETE PILES
--PILE FOUNDATIONS
PILE TREATMENT -- STEEL PILES UNDERGROUND CORROSION PILE CUTOFFS 2
RT--PILE DRIVING
--PILES PILE DIKES 1
BT DIKES (TRAINING STRUCTURES)
RT IMPERMEABLE DIKES
PERMEABLE DIKES STONE DIKES

PILE DRIVERS

NOTE: Hoists and movable structural steel frames, equipped with machinery for handling and driving piles

PILE DRIVERS (Con.) UF RIGS (FILE DRIVERS)
BT CONSTRUCTION EQUIPMENT
PILE DRIVING EQUIPMENT
RT--PILE HAMMERS PILE DRIVING 2 3

NT IMPACT PILE DRIVING
JACKING (PILES)
SONIC PILE DRIVING
UNDERWATER PILE DRIVING
VIBRATORY PILE DRIVING
RT BUCKLING (PILES) CUSHION BLOCKS (PILE DRIVING)
DRIVING CAPS
DRIVING SHOES (PILES)
DYNAMIC PILE DRIVING FORMULAS
ENGINDATIONS -- FOUNDATIONS JETTING -- PENETRATION
PILE CUTOFFS -- PILE DRIVING EQUIPMENT PILE ECCENTRICITIES -- PILE FOUNDATIONS -- PILE HAMMERS PILE STRESSES -- PILES SPUDDING PILE DRIVING EQUIPMENT 2 3
BT CONSTRUCTION EQUIPMENT
NT DIESEL PILE HAMMERS
DIFFERENTIAL ACTING PILE HAMMERS
DOUBLE ACTING PILE HAMMERS
PILE DRIVERS
- PILE HAMMERS SINGLE ACTING PILE HAMMERS SONIC PILE HAMMERS VIBRATORY PILE HAMMERS RT--PILE DRIVING PILE FOUNDATION CONSTRUCTION UNDERWATER PILE DRIVING PILE ECCENTRICITIES 2
UF DOGLEG PILES
RT BUCKLING (PILES)
ECCENTRIC LOADS
--PILE BEARING CAPACUTY
--PILE DRIVING
PILE STRESSES PILE EXTRACTION UF PILE EXTRACTORS
PILE PULLING RT NEGATIVE SKIN FRICTION PULL-OUT RESISTANCES AND TESTS
UPLIFT PILES use PILE EXTRACTION PILE FOUNDATION CONSTRUCTION 2
BT CONSTRUCTION
FOUNDATION CONSTRUCTION
RT-PILE DRIVING EQUIPMENT
PILE FOUNDATION DESIGN
--PILE FOUNDATIONS
UNDERWARER PILE DRIVING UNDERWATER PILE DRIVING PILE FOUNDATION DESIGN LE FOUNDATION DESIGN 2
DESIGN
POUNDATION DESIGN
ALLOWABLE STRESSES (PILES)
LATERAL LOADS (FILES)
MODEL PILE LOAD TESTS
-- PILE BEARING CAPACITY
PILE FOUNDATION CONSTRUCTION
-- PILE FOUNDATION
-- PILE LOAD TESTS
PILE SPACING
PILE STRESSES BT

E LOAD TESTS (Con.)
-- SHAFT RESISTANCE (PILES)
SOIL ADHESION
STATIC PILE FORMULAS
STRESS STRAIN CURVES PILE FOUNDATION PERFORMANCE BT FOUNDATION PERFORMANCE RT--PILE FOUNDATIONS PILE LOAD TESTS PILE FOUNDATIONS 1 2 BT DEEP FOUNDATIONS FOUNDATIONS PILE LOAD TESTS (BATTER PILES) FOUNDATIONS
END BEARING PILE FOUNDATIONS
PRICTION PILE FOUNDATIONS
OFFSHORE PILE FOUNDATIONS
CAISSON FOUNDATIONS
DRILLED PIER FOUNDATIONS
DRILLED PIER FOUNDATIONS
DIEBS (DOCKS) BT FIELD TESTS
LOAD TESTS (FOUNDATIONS)
PILE LOAD TESTS
RT BATTER PILES PILE LOAD TESTS (COMPRESSION PIERS (DOCKS) -- PILE BEARING CAPACITY
PILE CAPS
PILE CORROSION
-- PILE DRIVING PILES) 2
BT FIELD TESTS
LOAD TESTS (FOUNDATIONS)
PILE LOAD TESTS PILE FOUNDATION CONSTRUCTION PILE FOUNDATION DESIGN RT COMPRESSION PILES PILE LOAD TESTS (CYCLIC LOADING)
BT FIELD TESTS
LOAD TESTS (FOUNDATIONS)
PILE LOAD TESTS PILE FOUNDATION PERFORMANCE PILE SETTLEMENT PILE SPACING -- PILES UNDERWATER FOUNDATIONS RT ALTERNATING LOADS WHARVES PILE LOAD TESTS (LATERAL LOADING)
UF LATERAL LOAD TESTS (PILES)
BT FIELD TESTS
LOAD TESTS (FOUNDATIONS)
PILE LOAD TESTS
RT LATERAL LOADS (PILES) PILE FRICTION 2
use SKIN FRICTION (PILES) PILE GROUPS 2
UF GROUP ACTION (PILES)
RT MODEL PILE LOAD TESTS
--PILE BEARING CAPACITY PILE LOAD TESTS (UPLIFT PILES) FIELD TESTS
LOAD TESTS (FOUNDATIONS)
PILE LOAD TESTS
PULL OUT RESISTANCES AND PILE CAPS PILE SPACING -- PILES TIE BEAMS TESTS UPLIFT PILES PILE HAMMERS HAMMERS 2
HAMMERS (PILES)
CONSTRUCTION EQUIPMENT
PILE DRIVING EQUIPMENT
DIESEL PILE HAMMERS PILE PULLING 2
use PILE EXTRACTION DIFFERENTIAL ACTING PILE HAMMERS PILE SETTLEMENT BT DEFORMATION SETTLEMENT
T ALLOWABLE STRESSES (PILES)
--PILE BEARING CAPACITY
--PILE FOUNDATIONS DOUBLE ACTING PILE HAMMERS SINGLE ACTING PILE HAMMERS SONIC PILE HAMMERS VIBRATORY PILE HAMMERS DYNAMIC PILE DRIVING FORMULAS IMPACT PILE DRIVING -- PILE LOAD TESTS PILE DRIVERS -- PILE DRIVING PILE SPACING RT--PILE BEARING CAPACITY
PILE FOUNDATION DESIGN
--PILE FOUNDATIONS PILE HELMETS use DRIVING CAPS PILE GROUPS PILE LATERAL LOADS 2
use LATERAL LOADS (PILES) PILE SPLICING 2 RT COMPOSITE PILES PILE LOAD TEST EQUIPMENT 2
RT PILE LOAD TEST INSTRUMENTATION
-- PILE LOAD TESTS PILE STRESSES 2
UF STRESSES IN PILES
RT ECCENTRIC LOADS
LATERAL LOADS (PILES)
--PILE DRIVING PILE LOAD TEST INSTRUMENTATION RT PILE LOAD TEST EQUIPMENT --PILE LOAD TESTS PILE ECCENTRICITIES
PILE FOUNDATION DESIGN
-- PILE LOAD TESTS PILE LOAD TESTS LOAD TESTS 2
LOAD TESTS (FOUNDATIONS)
MODEL PILE LOAD TESTS
PILE LOAD TESTS (BATTER PILES)
PILE LOAD TESTS (COMPRESSION BT NT -- PILES PILE TREATMENT 2
RT MARINE BORER ATTACK (PILES)
PILE CORROSION PILE LOAD TESTS (COMPRESSION FILES)
PILE LOAD TESTS (CYCLIC LOADING)
PILE LOAD TESTS (LATERAL LOADING)
PILE LOAD TESTS (UPLIFT PILES)
RT-PILE BEARING CAPACITY
PILE LOAD TEST EQUIPMENT
PILE LOAD TEST INSTRUMENTATION
PILE SETTLEMENT
PILE STRESSES TREATED TIMBER PILES PILE WAVE EQUATIONS 2
use WAVE EQUATIONS (PILES) PILED ANCHORAGE use ANCHOR PILES PILES 1 2 3 4 UF PILING BT STRUCTURAL MEMBERS PILE STRESSES -- PILES POINT RESISTANCE (PILES)

NOTE: First plant community to move into an area from which the original vegetation has been removed or in which the cover has been disturbed BT COMMUNITY ECOSYSTEMS SUCCESSION PILES (Con.)
NT ANCHOR PILES
AUGERED CONCRETE PILES
BATTER PILES
-- BORED PILES PIONEER COMMUNITY -- BORED FILES
BULB FILES
-- CASED FILES
-- CAST IN-PLACE FILES
COMPACTION FILES
COMPRESSION FILES SUCCESSION RT ASSOCIATION ECOLOGICAL SUCCESSION PLANT COMMUNITY CONCRETE PILES
CONCRETE SHEET PILES CONCRETE SHEET PILES
- DISPLACEMENT PILES
DRIVEN PILES
END BEARING PILES
FENDER PILES
- FRANKI PILES (CASED)
FRANKI PILES (UNCASED)
- FRICTION PILES
H. PILES PIPE BENDS BENDS (PIPES) MITER BENDS BT CONDUIT BENDS
RT PIPE FITTINGS
PIPE JOINTS
-- PIPELINES H- PILES -- PIPES JACKED PILES
JETTED PILES
--PRECAST CONCRETE PILES
PRESTRESSED CONCRETE PILES IPE COVER 1 2 5
NOTE: Soil placed over pipes
RT PIPE FAILURES
PIPELAYING PIPE COVER HAYMOND PILES
SAND PILES
SCREWED PILES
SCREWED PILES
-- SHEET PILES
STEEL PILES
STEEL SHEET PILES
STEEL SHEET PILES
TIMBER PILES
TIMBER SHEET PILES
TREATED TIMBER PILES
-- UNCASED PILES
UPLIFT PILES
WESTERN PILES (CASED)
WESTERN PILES (UNCASED)
TALLOWABLE STRESSES (PILES)
-- BEAMS (SUPPORTS)
BUCKLING (PILES)
-- COLUMNS (SUPPORTS)
-- DEEP FOUNDATIONS
DOLPHINS
-- FOOTINGS RAYMOND PILES SAND PILES -- PIPELINES -- PIPES SOIL LOADING ON PIPES, CON-DUITS, ETC. -- TRAFFIC LOADS TRENCHES PIPE CRADLES 1 RT PIPELAYING -- PIPES TRENCHES PIPE DESIGN RT PIPE FLOW PIPE TESTS PIPELAYING -- PIPELINES PIPE FAILURES NOTE: Includes failure caused by load UF BUCKLING (PIPES) BT FAILURES RT PIPE COVER --PIPES -- FOOTINGS
-- FOUNDATIONS
LATERAL LOADS (PILES)
-- PIERS (SUPPORTS)
-- PILE BEARING CAPACITY
PILE CAPS
PILE CUTOFFS
-- PILE DRIVING PIPE FITTINGS 1 2 5 RT BELLMOUTHS -- PILE DRIVING
-- PILE DRIVING EQUIPMENT
PILE ECCENTRICITIES
PILE EXTRACTION
-- PILE FOUNDATIONS
PILE GROUPS
-- PILE LOAD TESTS
PILE SPACING
PILE STRESSES
SHOETING FLEXIBLE PIPES
HEAD LOSSES
PIPE BENDS
--PIPE JOINTS
--PIPELINES -- PIPES TEES SHORING -- STRUCTURAL DESIGN PIPE FLOW 1 BT CLOSED CONDUIT FLOW SUPPORTS use PILES FLOW
FLUID FLOW
RT CALIFORNIA PIPE METHOD
--CHANNEL FLOW
CONDUIT FLOW
--CRITICAL FLOW
DILUTION METHOD (DISCHARGE
MEASUREMENT)
FLOW PATTERNS FLOW PILING PINCH VALVES BT VALVES RT-- PNEUMATIC VALVES PINE TREES 7 BT CONIFERS FLOW PATTERNS FLUID RESISTANCE PLANTS (BOTANY) -- GAS FLOW -- GAS FLOW
HYDRAULIC GRADIENTS
HYDRAULIC RADIUS
LAMINAR FLOW
LEA FORMULAS
-- LIQUID FLOW
MASS FLOW
OPELING OF THE PROPERTY OF TREES PINGOS UF FROST MOUND RT FROST PERMAPROST ORIFICE FLOW PERMISSIBLE VELOCITY

PIPE DESIGN

PIPE FLOW (Con.)	PIPELINES (Con.)
PIPES	IRRIGATION DESIGN
SALT VELOCITY METHOD (DIS-	LOW HEAD
CHARGE MEASUREMENT) SCOBEY FORMULAS	MATERIALS HANDLING MATERIALS HANDLING EQUIPMENT
SINGLE PHASE FLOW	PENSTOCKS
STEADY FLOW	PIPE BENDS
SUBCRITICAL FLOW SUPERCRITICAL FLOW	PIPE COVER
TRANSIENT FLOW	PIPE DESIGN PIPE FITTINGS
TURBULENT FLOW	PIPE JOINTS
UNIFORM FLOW	PIPELINE DREDGES
UNSTEADY FLOW UNWIN FORMULA	PIPES PLASTIC PIPES
VELOCITY DISTRIBUTION	PRESSURE CONDUITS
VELOCITY HEAD	PRESSURE PIPES
VENTURI METERS WATER FLOW	PUMPING STATIONS PUMPS
WATER HAMMER	REINFORCED PLASTIC PIPE
	SEWERS
PIPE JOINTS 1 2 3 5 6	SIPHONS
BT JOINTS (JUNCTIONS) RT BELLMOUTHS	STEEL PIPES SURGE TANKS
CONTROL JOINTS	TRANSITIONS (HYDRAULICS)
GASKETS	TRENCHES
PIPE BENDS PIPE FITTINGS	TRIFURCATIONS
PIPELINES	WATER CONTROL WATER DISTRIBUTION
PIPES	WATER HAMMER
DIDE LININGS 2	WATER MAINS
PIPE LININGS 3 BT LININGS	WATER PIPESWATER SUPPLY
RT COATED PIPES	WYE BRANCHES
PIPES	PIPES 1 2 3 4 5 6
PIPE TESTS 1	PIPES 1 2 3 4 5 6 BT CLOSED CONDUITS
RTABSORPTION	CONDUITS
COMPRESSION FREEZE- THAW TESTS	NT ASBESTOS CEMENT PIPES
HYDROSTATIC PRESSURE	BITUMINOUS FIBER PIPES BURIED PIPES
LEAKAGE	CAST- IN- PLACE PIPES
NONDESTRUCTIVE TESTS	CAST IRON PIPES
PIPE DESIGN PIPES	CLAY PIPESCOATED PIPES
F1FES	COLLECTOR PIPES
PIPELAYING 1	CONCRETE PIPES
RT ANCHORS	COPPER PIPES
BACKFILLS BEDDING MATERIALS	CORRUGATED METAL PIPES DRAIN TILES
BURIED PIPES	DRAINAGE PIPES
EXCAVATION	FLEXIBLE PIPES
JACKING O VE REXCAVATION	HEADER PIPES IRRIGATION PIPES
PIPE COVER	METAL PIPES
PIPE CRADLES	PLASTIC PIPES
PIPE DESIGN PIPES	POROUS CONCRETE PIPES PRESSURE PIPES
TRENCHES	PRETENSIONED PIPES
DIRECTOR PROPERTY.	REINFORCED CONCRETE PIPES
PIPELINE DREDGES 1 2 BT DREDGES	REINFORCED PLASTIC PIPES RUBBER PIPES
EARTH HANDLING EQUIPMENT	SEWER PIPES
EXCAVATORS	STANDPIPES
RT DREDGING PIPELINES	STEEL PIPES WATER PIPES
TRENCHING MACHINES	WOOD PIPES
	RT AQUEDUCTS
PIPELINES 1 2 3 4 5 BT CONDUITS	BEDDING MATERIALS
NT GAS PIPELINES	BEDDING MATERIALS BURIED CYLINDERS
LATERALS	CASINGS (DRILLING)
POL PIPELINES	CONDUIT BENDS
UNDERWATER PIPELINES WATER PIPELINES	CULVERTS DARCY-WEISBACH EQUATION
RT AQUEDUCTS	DISCHARGE LINES
ASBESTOS CEMENT PIPES	D-LOADS (RIGID PIPES)
BACKFILLS BIFURCATIONS	DRAINAGE SYSTEMS DRAINS
BRANCHES	DUCTS
BURIED IRRIGATION SYSTEMS	FLOW
BURIED PIPES	FLUID FLOW
CLOSED CONDUITS CONCRETE PIPES	HAZEN-WILLIAMS EQUATION HOOP TENSION
DISCHARGE LINES	HOSES
ENTRAPPED AIR	HYDRANTS
HYDRAULIC RAMS	IRRIGATION IRRIGATION ENGINEERING
	THE TOTAL OF SHOTH SENTING

PISTON SAMPLERS (Con.)
RT THIN WALL OPEN SAMPLERS
UNDISTURBED SAMPLING
UNDISTURBED SOIL SAMPLES (Con.)
JUNCTIONS PIPES LININGS MANIFOLDS MOODY RESISTANCE DIAGRAMS -- NOZZLES PISTONS -- ORIFICES -- OUTLET WORKS RT- - PUMPS RECIPROCATING PUMPS PENSTOCKS
PIPE BENDS
PIPE COVER
PIPE CRADLES PIT RUN MATERIALS 2 3 5 RT--BORROW AREAS BORROW MATERIAL PIPE DESIGN PIPE FAILURES -- EXCAVATION -- PITS PIPE FITTINGS PIPE FLOW -- SPOIL -- TRENCHES PIPE JOINTS PIPE LININGS PITCHBLENDE use URANINITE PIPE TESTS PIPELAYING PITCHER SAMPLERS -- PIPELINES BT CORE BORING SAMPLERS
DOUBLE TUBE CORE BARRELS
ROTARY CORE BARRELS -- PRESSURE CONDUITS -- SEWERS SAMPLERS
SOIL CORE BARRELS
SOIL SAMPLERS
RT DENISON SAMPLERS
WES SAMPLERS SPRINKLER IRRIGATION STORM SEWERS SUBSURFACE IRRIGATION TEES TILE DRAINS -- TUBES UNDERWATER PIPELINES PITOT SPHERES VENTURI METERS WATER HAMMER WATER SUPPLY WELL CASINGS RT FLOW MEASUREMENT
-- FLOWMETERS -- FLUID FLOW -- METEOROLOGICAL INSTRUMENTS GRAIN SIZE ANALYSIS
INDEX TESTS
SOIL TESTS (LABORATORY)
WET ANALYSIS
FINES PRESSURE HEAD -- VELOCITY PIPETTE METHOD VELOCITY HEAD PITOT TUBES NOTE: Also known as dynamic or total head tubes UF BENTZEL TUBES FRESTON TUBES STANTON TUBES STOKES LAW PIPING (SEEPAGE) 1 2 5
NOTE: Movement of soil particles
by percolating water leading to
the development of channels
RT-DAM FAILURES
--DAM PERFORMANCE CLOSED CONDUITS CONDUITS RT DIFFERENTIAL PRESSURE DISCHARGE MEASUREMENT FLOW MEASUREMENT -- FLOWMETERS -- METEOROLOGICAL INSTRUMENTS DAM UNDERSEEPAGE -- EROSION -- VELOCITY VELOCITY DISTRIBUTION
-- VELOCITY METERS (FLUIDS)
WATER MEASUREMENT FILTER BLANKETS -- LEAKAGE LEVEE FAILURES LEVEE UNDERSEEPAGE RELIEF WELLS RETROGRESSIVE EROSION TS 1 2 3 4 5 NOTE: Relatively deep holes in the ground, either natural or SAND BOILS -SEEPAGE the ground, either nature man-made
NT EXPLORATORY PITS
GRAVEL PITS
GRAVEL PITS
CAVITIES (UNDERGROUND)
-- EXCAVATION
-- MINES (EXCAVATIONS)
PIT RUN MATERIALS
QUARRIES
-- SUBSUBBACE, EXPLORATIONS) SEEPAGE PRESSURE SOIL EROSION -- UNDERSEEPAGE PISTON FRICTION ISTON FRICTION
BT FRICTION
RT LUBRICATION
TRIAXIAL SHEAR EQUIPMENT
-- TRIAXIAL SHEAR TESTS -- SUBSURFACE EXPLORATION PISTON SAMPLER METHOD 2
BT FIELD CONTROL TESTS (SOILS)
FIELD TESTS
FIELD UNIT WEIGHT DETERMINA-SUMPS -- TRENCHES PITTING 1 RT CAVITATION TION
UNIT WEIGHT DETERMINATION
RT VOLUME MEASURE PIVOT TURN STEERING use SKID STEERING PISTON SAMPLERS PLACING (CONCRETE) 3 use CONCRETE PLACING DRIVE SAMPLERS SAMPLERS SOIL SAMPLERS
FIXED PISTON SAMPLERS
FREE PISTON SAMPLERS
HYDRAULIC PISTON SAMPLERS PLAINS 2 BT TOPOGRAPHIC FEATURES

SHORT PISTON SAMPLERS SWEDISH FOIL SAMPLERS

PLANIMETRIC MAPS 2 NOTE: Maps which present the horizontal positions only for the features represented LAINS (Con.)
NT ALLUVIAL PLAINS
DELTAIC PLAINS
FLOOD PLAINS PLAINS BT MAPS RT TOPOGRAPHIC MAPS RT PLATEAUS PLAYAS -- TO POGRAPHY PLANKTON 7
NOTE: Floating or weakly swimming animal and plant organisms occurring at any depth in lakes, ponds, streams, or seas; often microscopic in size
NT DAPHNIA
NANNOPLANKTON PLANE GEOMETRY 6 EUCLIDEAN GEOMETRY GEOMETRY
RT-ANALYTIC GEOMETRY
PROJECTIVE GEOMETRY SOLID GEOMETRY PHYTOPLANK TON ROTIFERS PLANE OF RUPTURE use CRITICAL SURFACE ROTIFERS
ZOOPLANKTON
RT--AQUATIC ALGAE
--AQUATIC ANIMALS
--AQUATIC BATERIA
--AQUATIC BIOLOGY
--AQUATIC MICROORGANISMS
--AQUATIC PLANTS
BIOMASS
BLOMASS PLANE STRAIN UF BIAXIAL STRAIN BT STRAINS RT--PLANE STRAIN SHEAR TESTS PLANE STRESS PLANE STRAIN DEVICES 2
use PLANE STRAIN EQUIPMENT BIOTA -- CRUSTACEA -- MARINE ANIMALS
-- MARINE PLANTS
PLANKTON BLOOMS
-- PLANTS (BOTANY)
PRIMARY PRODUCTIVITY
-- PROTOZOA PLANE STRAIN EQUIPMENT 2
UF PLANE STRAIN DEVICES
BT SHEAR EQUIPMENT
RT--PLANE STRAIN SHEAR TESTS SPECIMEN DRAINS PLANE STRAIN SHEAR TESTS 2
UF BIAXIAL COMPRESSION TESTS
BT SHEAR TESTS
NT PLANE STRAIN SHEAR TESTS PLANKTON BLOOMS LARKTON BLOOMS

NOTE: Prolific growth of plankton

UF ALGAL BLOOMS

UF ALGAL BLOOMS

NT RED TIDE

RT ENHICHMENT (ROCK)
PLANE STRAIN SHEAR TESTS (SOILS)
RT PLANE STRAIN
PLANE STRAIN
PLANE STRAIN EQUIPMENT
PLANE STRESS EUTROPHICATION -- PLANKTON PLANNING -- SHEAR STRENGTH LANNING 6
NT PROJECT PLANNING
REGIONAL PLANNING
RT CRITICAL PATH METHOD
ECONOMIC ANALYSIS STRESS- STRAIN CURVES PLANE STRAIN SHEAR TESTS (ROCK)
UF BIAXIAL COMPRESSION TESTS
(ROCK)
BT PLANE STRAIN SHEAR TESTS - FORECASTING
- PERATIONS RESEARCH
OPTIMIZATION
PRODUCTION CONTROL ROCK TESTS (LABORATORY) SHEAR TESTS PLANE STRAIN SHEAR TESTS VALUE ENGINEERING (SOILS) PLANE STRAIN SHEAR TESTS (SOILS)
UF BIAXIAL COMPRESSION TESTS
(SOILS) PLANT COMMUNITY 7 BT COMMUNITY RT PIONEER COMMUNITY BT PLANE STRAIN SHEAR TESTS
SHEAR TESTS
SOIL TESTS (LABORATORY)
RT PLANE STRAIN SHEAR TESTS PLANT COVER use VEGETATIVE COVER (ROCK)
Q TESTS (SOILS)
R TESTS (SOILS)
S TESTS (SOILS) PLANT ECOLOGY 7
BT ECOLOGY
RT LIFE CYCLES PLANT GROWTH 7
RT BIOLOGY
CULTURES
-- METABOLISM -- UNDRAINED SHEAR TESTS PLANE STRESS BT STRESSES
RT BIAXIAL STRESSES
PLANE STRAIN
--PLANE STRAIN SHEAR TESTS PHENOLOGY PHOTOPERIODISM PHOTOTROPISM PLANT NUTRITION PLANE WAVES 2 3 4 BT WAVES RT--ELASTIC WAVES -- PRODUCTIVITY
SOIL FERTILITY
-- TOLERANCES (PHYSIOLOGY) -- SHEAR WAVES PLANT NUTRITION BT NUTRITION RT FERTILIZERS PLANES use AIRCRAFT -- METABOLISM PLANT GROWTH PLANETARY EXPLORATION USE SPACE EXPLORATION SOIL FERTILITY

PLANT PIGMENTS 7	PLANTS (BOTANY) (Con.)
NOTE: Various coloring matters in	PERIPHYTON PHYTOTOXICITY
animals and plants, especially in cells or tissues	PLANKTON
BT PIGMENTS	POLLEN SOIL BIOLOGY
NT CHLOROPHYLLS RT CAROTENOIDS	SOIL CONSERVATION .
	STANDING CROP
PLANT POPULATIONS 7 BT POPULATIONS	SUCCESSION THERMOPHILES
RT COMMUNITY	VEGETATION
SUCTESSION	VEGETATION ESTABLISHMENT VEGETATION STRUCTURE
PLANT STEMS 6	VEGETATIVE COVER
PLANTS (BOTANY) 2 '5 7	PLANTS (MATERIAL MIXING) 3 5
UF FLORA	NT AGGREGATE PLANTS ASPHALT PLANTS
NT ACTINOMYCETES AEROBIC BACTERIA	CONCRETE MIXING PLANTS
ALGAE	PLASMA PHYSICS 1 6
ALLIGATORWEED ANAEROBIC BACTERIA	use MAGNETOHYDRODYNAMICS
AQUATIC ALGAE	DI AGMED 0
AQUATIC BACTERIA AQUATIC PLANTS	PLASTER 3 RT ARCHITECTURAL CONCRETE
AQUATIC WEEDS	CALCIUM SULFATES
BENTHIC FLORA CHLORELLA	CEMENTS GROUTS
CHLOROP HYTA	GYPSUM CEMENTS
CHRYSOPHYTA	LIME CEMENTS MOLDING MATERIALS
CONIFERS COVER CROPS	MORTARS (MATERIAL)
CRYPTOGAMS	PLASTERING
CYANOPHYTA DECIDUOUS TREES	PORTLAND CEMENTS PUMPED CONCRETE
DIATOMS	STUCCO
DINOFLAGELLATES EELORASS	WALLBOARD
EUGLENOPHYTA	PLASTER OF PARIS 3
FUNGI	use HEMIHYDRATE
GRASSES HALOPHYTES	PLASTERING 3
LICHENS	RT CONCRETE PLACING PLASTER
MARINE ALGAE MARINE BACTERIA	PERSIEN
MARINE PLANTS	PLASTIC ADHESIVES 2 3 BT ADHESIVES
MARSH PLANTS MOSSES	RT JOINTS (JUNCTIONS)
MYXOMYCETES	METAL ADHESIVES
PATHOGENIC BACTERIA PATHOGENIC FUNGI	STRUCTURAL ADHESIVES
PHAEOPHYTA	PLASTIC ANALYSIS 3
PHOTOSYNTHETIC BACTERIA PHOTOTROPHIC ORGANISMS	BT STRUCTURAL ANALYSIS NT YIELD LINE ANALYSIS
PHREATOPHYTES	RT ENERGY METHODS
PHYTOPLANKTON PINE TREES	EQUILIBRIUM METHODS PLASTIC DESIGN
PYRROPHYTA	STATIC STRUCTURAL ANALYSIS
RHODOPHYTA SEA GRASSES	STATICALLY INDETERMINATE STRUCTURES
SESSILE ALGAE	STRAIN ENERGY METHODS
SHRUBS SOIL ALGAE	STRUCTURAL DESIGN ULTIMATE STRENGTH METHOD
SOIL BACTERIA	
SOIL FUNGI TREES	PLASTIC CONCRETES 3 USe FRESH CONCRETES
TURF GRASSES	
WATER HYACINTHS	PLASTIC DEFORMATION 2 3 4 6 UF PLASTIC FLOW
WEEDS XEROPHYTES	PLASTIC STRAIN
RT AGRICULTURAL ENGINEERING	BT DEFORMATION MECHANICAL PROPERTIES
AGRICULTURE BENTHOS	RT CREEP PROPERTIES
BIOLOGY	CREEP TESTS DILATANCY (SOILS)
BIOTA BOTANY	INTERNAL FRICTION
ENVIRONMENTAL EFFECTS	PLASTIC DESIGN
ENVIRONMENTS EPIPHYTOLOGY	PLASTIC EQUILIBRIUM PLASTIC LIMIT
EVAPOTRANSPIRATION	PLASTIC MEDIA
FORESTS GROUND COVER	PLASTICITY PLASTICITY TESTS
GROUND COVER HERBICIDES	RHEOLOGY
LIFE CYCLES	SOIL DEFORMATION
MICROORGANISMS MIGRATION	
NANNOPLANKTON	

PLASTIC DEFORMATION (Con.) --STRAINS STRESS RELAXATION THEORY OF PLASTICITY PLASTIC DESIGN NOTE: Method of proportioning structures or structural memstructures or structural members for failure at a specified multiple of working loads, and assuming nonlinear distribution of flexural stresses

UF ULTIMATE STRENGTH DESIGN
BT DESIGN
STRUCTURAL DESIGN
ELASTIC DESIGN
LIMIT DESIGN
--PLASTIC ANALYSIS
PLASTIC DEFORMATION
PLASTIC EQUILIBRIUM
PLASTICITY
--STRUCTURAL DESIGN -- STRUCTURAL DESIGN THEORY OF PLASTICITY PLASTIC EQUILIBRIUM 2 ASTIC EQUILIBRIUM 2
NOTE: State of stress within a soil mass, or a portion thereof, which has been deformed to such an extent that its ultimate shearing resistance is mobilized
UF PLASTIC STATE OF EQUILIBRIUM
BT EQUILIBRIUM
PTL-CREEP RT-- CREEP ELASTIC EQUILIBRIUM PLASTIC DEFORMATION PLASTIC DESIGN PLASTICITY THEORY OF PLASTICITY PLASTIC EXPLOSIVES 4
BT EXPLOSIVES
RT SLURRY EXPLOSIVES
SOLID EXPLOSIVES PLASTIC FILTERS 1 2 5 6 BT FILTERS
BT FILTERS
FILTER MATERIALS
--PIEZOMETERS
POLYPROPYLENE PLASTIC FLOW 2 3 4 6 use PLASTIC DEFORMATION PLASTIC FLOW TESTS use CREEP TESTS use CELLULAR PLASTICS PLASTIC FORMS 3 RT--FORMWORK (CONSTRUCTION) MOLDS VACUUM FORMING

PLASTIC HINGES

use HINGES (STRUCTURAL)

-- LAMINATED PLASTICS

PLASTIC LIMIT 2 5
BT ATTERBERG LIMITS
MECHANICAL PROPERTIES
SOIL PROPERTIES
RT ATTERBERG LIMITS TESTS
LIQUID LIMIT
LIQUIDITY INDEX
PLASTIC DEFORMATION
PLASTIC LIMIT TESTS
PLASTICITY

PLASTICITY
PLASTICITY INDEX
SHRINKAGE INDEX
SHRINKAGE LIMIT

UNIFIED SOIL CLASSIFICATION SYSTEM

PLASTIC LANDING MATS 2 5
BT LANDING MATS
RT COMPOSITE MATERIALS (LANDING MAT CONSTRUCTION)

PLASTIC LIMIT TESTS 2 5
BT ATTERBERG LIMITS TESTS
INDEX TESTS
SOIL TESTS (LABORATORY)
RT PLASTIC LIMIT
PLASTICITY PLASTIC MEDIA 2 3 6

NOTE: Materials which deform
continuously and permanently when
subjected to a shearing stress
in excess of their yield value
UF PLASTIC SOLIDS
RT ELASTIC PLASTIC MEDIA
PLASTIC DEFORMATION
PLASTIC WAVES
PLASTICITY PLASTICITY THEORY OF PLASTICITY PLASTIC PIPES 1 2 3 5 BT CLOSED CONDUITS CONDUITS FLEXIBLE PIPES PIPES RT-- IRRIGATION -- PIPELINES
POLYVINYL CHLORIDE PLASTIC PROPERTIES 2 3 4 5 6 use PLASTICITY PLASTIC SHRINKAGE (CONCRETE) 3 BT SHRINKAGE
RT--CONCRETE CRACKING
CONCRETE DRYING SHRINKAGE
CONCRETE SHRINKAGE CONCRETE STRUCTURES FAILURE VOLUME CHANGE PLASTIC SOLIDS use PLASTIC MEDIA PLASTIC STATE OF EQUILIBRIUM 2
use PLASTIC EQUILIBRIUM PLASTIC STRAIN 3 4 use PLASTIC DEFORMATION PLASTIC THEORY 2 3 5 use THEORY OF PLASTICITY PLASTIC WAVES 2 4 BT WAVES RT PLASTIC MEDIA PLASTICITY 2 3 4 5 6
UF PLASTIC PROPERTIES
BT COLLOIDAL PROPERTIES
MECHANICAL PROPERTIES
RT--CLAYEY SOILS T-CLAYEY SOILS
--CLAYS
--COHESION
CONCRETE WORKABILITY
CONSISTENCY (SOILS)
--CREEF PROPERTIES
DOUBLE LAYER THEORY
DUCTILITY
ELASTIC PLASTIC BEHAVIOR
ELASTIC PLASTIC MEDIA
FATIGUE (MATERIALS)
FLEXIBILITY
-- HARDNESS FLEXIBILITY
-- HARDNESS
PLASTIC DEFORMATION
PLASTIC DESIGN
PLASTIC EQUILIBRIUM
PLASTIC LIMIT
PLASTIC LIMIT TESTS
PLASTIC MEDIA
PLASTICITY INDEX
PLASTICITY TESTS
-- RHEOLOGICAL PROPERTIES
BHEOLOGY RHEOLOGY SOFT SOILS -- SOIL CLASSIFICATION

PLASTICITY (Con.)
SOIL PHYSICS
--SOIL PROPERTIES
SOLID STATE PHYSICS
STRESS RELAXATION
THEORY OF PLASTICITY PLATE GIRDERS BT GIRDERS STRUCTURAL MEMBERS
RT-BEAMS (SUPPORTS)
--PLATES (STRUCTURAL MEMBERS) VISCOPLASTICITY VISCOPLASTICITY METHOD PLATE LOAD TESTS 2 5
use PLATE BEARING TESTS PLASTICITY INDEX 2 5
RT ACTIVITY RATIO
-- ATTERBERG LIMITS
ATTERBERG LIMITS TESTS PLATE SINKAGE TESTS
RT--BEARING CAPACITY
BEVAMETERS PRESSURE- SINKAGE RELATIONS -- INDEX TESTS
LIQUID LIMIT
LIQUIDITY INDEX
PLASTIC LIMIT
PLASTICITY -- SINKAGE -- SOIL STRENGTH VEHICLE SINKAGE LATE WAVES 2 3 4 use COMPRESSION WAVES PLASTICITY
RELATIVE CONSISTENCY (SOILS)
SOIL CLASSIFICATION
UNIFIED SOIL CLASSIFICATION
SYSTEM PLATE WAVES PLATEAUS UF MESAS BT TOPOGRAPHIC FEATURES PLASTICITY TESTS 3 RT--COMPRESSION TESTS --CREEP TESTS RT-- PLAINS -- TOPOGRAPHY HIGH TEMPERATURE TESTS
LOW TEMPERATURE TESTS
PLASTIC DEFORMATION
PLASTICITY PLATES (STRUCTURAL MEMBERS) 2 3 4 BT STRUCTURAL MEMBERS NT BURIED PLATES -- CONCRETE PLATES RADIATION TESTS
-- STATIC TESTS
STRESS RELAXATION TESTS
-- TENSION TESTS TO BENDING MOMENTS
CONCRETE FOLDED PLATES
- FOLDED PLATES
- GIRDERS -- PLATE BEARING TESTS
PLATE GIRDERS
-- SHELLS (STRUCTURAL FORMS) ASTICIZERS 3 6
RT COATINGS
--CONCRETE ADMIXTURES PLASTICIZERS -- SLABS DISPERSANTS AYAS 2 NOTE: Shallow central basins of SOLVENTS SURFACTANTS desert plains in which water gathers after a rain BT TOPOGRAPHIC FEATURES RT DESERTS PLASTICS 1 2 3 5
NOTE: Use of a more specific term is recommended; consult the terms listed below CANAL LININGS CELLULAR PLASTICS COMPOSITE MATERIALS ELASTOMERS -- LAKES -- PLAINS SURFACE WATERS PLEISTOCENE EPOCH UF GLACIAL EPOCH
BT QUATERNARY PERIOD
RT GLACIAL GEOLOGY EPOXY LAMINATES FIBER REINFORCED PLASTICS LAMINATED PLASTICS LININGS LININGS
MEMBRANES
PHENOLIC LAMINATES
PLASTIC FILTERS
PLASTIC FILTERS
PLASTIC PILTERS
PLASTIC PIPES
POLYESTER LAMINATES
POLYESTER RESINS
PREFABRICATED MEMBRANES
PROTECTIVE COATINGS
REINFORCED PLASTICS
RESINS (SYNTHETIC)
SHOALING MATERIALS (MODELS) -- GLACIATION PLIOCENE EPOCH 2 BT TERTIARY PERIOD PLOTTERS 6
BT DATA PROCESSING EQUIPMENT
RT DIGITAL TO ANALOG CONVERTERS
PLOTTING PLOTTING 6 RT PLOTTERS LOWS 5 UF ROOTERS PLOWS PLATE BEARING TESTS 2 5 UF PLATE LOAD TESTS
LOAD TESTS (POUNDATIONS)
NT FIELD PLATE BEARING TESTS
LABORATORY PLATE BEARING TESTS
VIBRATORY PLATE BEARING TESTS
RT--BEARING CAPACITY ROTARY PLOWS AGRICULTURE CUTTING BLADES SOIL CUTTING TILLAGE TINES COEFFICIENT OF SUBGRADE REACTION PLUG VALVES BT HYDRAULIC VALVES
VALVES
RT--FLOW CONTROL
GATE VALVES
GLOBE VALVES
HEAD LOSSES -- FIELD TESTS FOOTINGS LOAD TESTS (PAVEMENTS)
--PLATES (STRUCTURAL MEMBERS)
PROTOTYPE TESTS
RIGID PAVEMENT DESIGN (AIRFIELDS)
RIGID PAVEMENT DESIGN

1 40

(HIGHWAYS)
-- SOIL TESTS (LABORATORY)
STRESS-STRAIN CURVES

PLUG VALVES (Con.)
HIGH PRESSURE VALVES
HOLLOW JET VALVES
SLEEVE VALVES

PLUMBING 6 RT SANITARY ENGINEERING

PLUMES 4 7
NT WATER PLUMES
RT CHIMNEYS
CONDENSATION TRAILS
EMISSIONS

PLUNGE BASINS 1
RT ENERGY DISSIPATION
-- EROSION CONTROL
HIGH HEAD
PRESSURE DISTRIBUTION
-- RIPRAP
SCOUR
SKI-JUMP SPILLWAYS
-- SPILLWAYS

PLUTONIC IGNEOUS ROCKS 2
use INTRUSIVE ROCKS

PLUTONIUM 4
BT ISOTOPES
RADIOACTIVE ISOTOPES

PLY OF TIRES 5

PLYWOOD 3 BT COMPOSITE MATERIALS

PNEUMATIC BARRIERS 1
use BUBBLE SCREENS

PNEUMATIC BREAKWATERS DE BREAKWATERS RT BUBBLE SCREENS MOBILE BREAKWATERS

PNEUMATIC CAISSONS 2
BT CAISSONS
RT COMPRESSED AIR
UNDERWATER FOUNDATIONS

PNEUMATIC CONTROL 6
RT-- AUTOMATIC CONTROL
-- CONTROLLERS
-- PNEUMATIC EQUIPMENT
PNEUMATIC INSTRUMENTS
PROCESS CONTROL
REMOTE CONTROL

PNEUMATIC CONVEYING 3
BT CONVEYING
RT PNEUMATIC CONVEYORS
SHOTCRETE

PNEUMATIC CONVEYORS 3
BT CONVEYORS
MATERIALS HANDLING EQUIPMENT
DUST COLLECTORS
GRAVITY CONVEYORS
PNEUMATIC CONVEYING

PNEUMATIC DEVICES 1 2 6 use PNEUMATIC EQUIPMENT

PNEUMATIC EQUIPMENT 1 2 6
UF PNEUMATIC DEVICES
NT AIR COMPRESSORS
PNEUMATIC INSTRUMENTS
RT COMPRESSED AIR
PNEUMATIC CONTROL
--PUMPS
--VACUUM APPARATUS

PNEUMATIC INSTRUMENTS 6
BT PNEUMATIC EQUIPMENT
RT--CONTROL EQUIPMENT
CONTROLLERS

PNEUMATIC INSTRUMENTS (Con.)
-- MEASURING INSTRUMENTS
PNEUMATIC CONTROL
PROCESS CONTROL
-- RECORDING INSTRUMENTS
REMOTE CONTROL
TEMPERATURE CONTROL

PNEUMATIC PIEZOMETERS 2
UF AIR ACTUATED PIEZOMETERS
BT MEASURING INSTRUMENTS
PIEZOMETERS
PRESSURE GAGES

PNEUMATIC SPRINGS 5
BT SPRINGS (MECHANICAL)
SUSPENSION SYSTEMS (VEHICLES)
RT SPRING DESIGN
TORSIONAL SPRINGS

PNEUMATIC TIRED ROLLERS 2 5
BT COMPACTION EQUIPMENT
CONSTRUCTION EQUIPMENT
ROLLERS
RUBBER TIRED ROLLERS

PNEUMATIC TIRES 5
UF RUBBER TIRES (PNEUMATIC)
BT TIRES
NT AIRCRAFT TIRES
TERRA TIRES
RT FLEXIBLE WHEELS
TIRE CHARACTERISTICS
TIRE DEFLECTION
TIRE DEFLECTION
TIRE DEFORMATION
TIRE DESIGN
TIRE PLIES
-- TIRE PROPERTIES
TIRE STIFFNESS
-- WHEELS

PNEUMATIC VALVES 1
BT VALVES
NT ELECTROPNEUMATIC VALVES
RT BALL VALVES
BUTTERFLY VALVES
BYASS VALVES
CHECK VALVES
-- COCKS
DAMPER VALVES
DIRECTIONAL CONTROL VALVES
PLOW CONTROL
GAS VALVES
GATE VALVES
GLOBE VALVES
HIGH PRESSURE VALVES
NEEDLE VALVES
PINCH VALVES
POPPET VALVES
PRESSURE CONTROL
RELIEF VALVES
ROTARY VALVES
SLEEVE VALVES
SLEEVE VALVES
THERMOSTATIC VALVES

PNEUMATICALLY PLACED MORTARS 3
use SHOTCRETE

POINT BAR DEPOSITS 1 2
BT ALLUVIUM
GEOLOGICAL DEPOSITS
MEANDER BELT DEPOSITS
RT ABANDONED CHANNEL DEPOSITS
BACKSWAMP DEPOSITS
NATURAL LEVEE DEPOSITS

POINT BEARING PILES 2
use END BEARING PILES

POINT GAGES 1
BT GAGES
MEASURING INSTRUMENTS

POLAROGRAPHIC ANALYSIS 3
BT CHEMICAL ANALYSIS
CHEMICAL TESTS
QUANTITATIVE ANALYSIS POINT RESISTANCE (PILES) 2
UF END BEARING RESISTANCE (PILES)
TOE RESISTANCE (PILES)
RT DRIVING SHOES (PILES)
END BEARING PILE FOUNDATIONS
END BEARING PILES POLLEN TE: fine dust produced by plants
AIR POLLUTION
BIOLOGY
PUST -- PENETRATION --PENETRATION
--PILE BEARING CAPACITY
--PILE LOAD TESTS
--SHAFT RESISTANCE (PILES)
STATIC PILE FORMULAS FERTILIZATION
-- PLANTS (BOTANY) POINT SOURCE WAVES 1 2 4 use IMPULSIVELY GENERATED WAVES POLLUTANTS use CONTAMINANTS DISONS 7
UF TOXICANTS
BT HAZARDOUS MATERIALS
NT BACTERICIDES
FUMIGANTS POLLUTION 1 3 7
NT AIR POLLUTION
GROUNDWATER POLLUTION
OIL POLLUTION POISONS OIL POLLUTION
STREAM POLLUTION
-- WATER POLLUTION
RT CHEMICAL WASTES
CONTAMINATIS
-- CONTAMINATION
-- DECONTAMINATION
INDICATOR SPECIES
-- INDUSTRIAL WASTES
ODDE CONTROL FUNCTCIDES HERBICIDES -- INSECTICIDES RODENTICIDES RT CONTAMINANTS INHIBITORS
PESTICIDE TOXICITY
--PESTICIDES
PHYTOTOXICITY ODOR CONTROL -- POISONS
PUBLIC HEALTH
RADIOACTIVE WASTES
SANITARY ENGINEERING
-- SEWAGE TREATMENT
SOIL CONTAMINATION
TOXICOLOGY - POLLUTION -- TOXICITY TOXICOLOGY -- WEED CONTROL POISSON RATIO 1 2 3 4 BT MECHANICAL PROPERTIES -- WASTE DISPOSAL
-- WASTES
WATER RESOURCES
WATER SUPPLY
-- WATER TREATMENT T MECHANICAL PROPERTIES
RATIOS
T BULK MODULUS
-- COMPRESSION TESTS
-- COMPRESSIVE PROPERTIES
-- CONCRETE PROPERTIES
ELASTIC DEFORMATION
ELASTIC DESIGN POLLUTION ABATEMENT 1 7
NOTE: Lessening of the daily
load of air, water and soil
pollution created by industrial
and domestic man
BT ABATEMENT
RT-DECONTAMINATION
DESIGN FLOW
-FLOW AUGMENTATION
PURIFICATION
SANITARY ENGINEERING
THERMAL POLLUTION
-WATER POLLUTION
WATER POLLUTION CONTROL ELASTIC DESIGN
- ELASTICITY
- MODULUS OF DEFORMATION
- MODULUS OF ELASTICITY
- ROCK PROPERTIES
- SOIL PROPERTIES
- SOIL PROPERTIES
- TENSILE PROPERTIES
- TENSION TESTS THEORY OF ELASTICITY POL PIPELINES BT PIPELINES UF PETROLEUM-OILS-LUBRICANTS STORAGE
RT FUEL STORAGE
HAZARDOUS MATERIALS
PETROLEUM
PETROLEUM ENGINEERING
STORAGE TANK FOUNDATIONS
STORAGE TANKS
-- UNDERGROUND CONSTRUCTION
UNDERGROUND STORAGE POL STORAGE POLLUTION CONTROL 1 7
NT WATER POLLUTION CONTROL
RT AIR POLLUTION CONTROL EQUIPMENT
-- FLOW AUGMENTATION
ODOR CONTROL
SANITARY ENGINEERING STREAM POLLUTION -- WASTE DISPOSAL POLYAMIDE RESINS 2 5 UF NYLON RESINS BT RESINS (SYNTHETIC) RT--ELASTOMERS POLAR REGIONS 2 5 6 BT ENVIRONMENTS REGIONS ANTARCTIC REGIONS ARCTIC REGIONS CLIMATOLOGY POLYAXIAL COMPRESSION TESTS COLD WEATHER CONSTRUCTION COLD WEATHER OPERATIONS (ROCK) 2
BT COMPRESSION TESTS
ROCK TESTS (LABORATORY)
RT-SHEAR TESTS
TRIAXIAL SHEAR TESTS (ROCK) CONTINENTAL GLACIATION CRYOLOGY GEOGRAPHY -- GLACIATION NOTE: Synthetic chemicals used to speed flocculation of solids in sewage GLACIERS POLYELECTROLYTES -- ICE PERMAFROST PERMAFROST REGIONS

POLYESTER FIBERS POLYMERS (Con.) DACRON (TRADEMARK)
FORTREL (TRADEMARK)
KODEL (TRADEMARK)
TERYLENE (TRADEMARK)
VYCRON (TRADEMARK) ELASTOMERS
POLYESTER RESINS
POLYETHER RESINS
POLYMER IMPREGNATED CONCRETE
POLYMER CONCRETE POLYSTYRENE FIBERS SYNTHETIC FIBERS RT POLYESTER RESINS REINFORCED PLASTICS
POLYMER- PORTLAND CEMENT CONCRETE POLYESTER LAMINATES 2
BT COMPOSITE MATERIALS
LAMINATED PLASTICS POLYNOMIALS RT NONLINEAR ALGEBRAIC EQUATIONS REINFORCED PLASTICS EPOXY LAMINATES
PHENOLIC LAMINATES
POLYESTER RESINS POLYPROPYLENE BT RESINS (SYNTHETIC) RT--COATINGS PLASTIC FILTERS POLYPROPYLENE ASPHALT POLYESTER RESINS 2 3 BT RESINS (SYNTHETIC) RT ALKYD RESINS MEMBRANE -- SYNTHETIC FIBERS HEAT RESISTANT MATERIALS
POLYESTER FIBERS
POLYESTER LAMINATES POLYPROPYLENE ASPHALT MEMBRANE BT MEMBRANES RT POLYPROPYLENE POLYURETHANE RESINS -- SYNTHETIC FIBERS -- PROTECTIVE COATINGS (MEMBRANES) POLYETHER RESINS 2 3 BT RESINS (SYNTHETIC) NT EPOXY RESINS POLYSTYRENE 3 6 BT VINYL RESINS POLYSULFIDE RESINS - ELASTOMERS
HEAT RESISTANT MATERIALS
POLYURETHANE RESINS BT RESINS (SYNTHETIC) RT--ELASTOMERS POLYURETHANE RESINS 2
UF ISOCYANATE RESINS
BT RESINS (SYNTHETIC)
RT-- ADHESIVES
CELLULAR PLASTICS POLYETHYLENE 2 5 BT RESINS (SYNTHETIC) RT--COATINGS -- FLEXIBLE PIPES
-- SYNTHETIC FIBERS -- ELASTOMERS LUBRICATION POLYGLOT DICTIONARIES 5 6 POLYESTER RESINS -- POLYETHER RESINS use DICTIONARIES POLYGONS 6 RT GEOMETRY -- POROUS MATERIALS -- SYNTHETIC FIBERS POLYMER CONCRETE POLYVINYL ACETATE DTE: Concrete using polymer as binder rather than portland BT VINYL RESINS RT LATEX cement
BT CONCRETES
RT CONCRETE-POLYMER MATERIALS
POLYMER IMPREGNATED CONCRETE
POLYMER-PORTLAND CEMENT POLYVINYL CHLORIDE 1 3 BT VINYL RESINS RT LATEX PLASTIC PIPES CONCRETE PONCELET CONSTRUCTION USE PONCELETS METHOD POLYMER IMPREGNATED CONCRETE NOTE: Portland cement concrete
impregnated with a polymer
UF IRRADIATED IMPREGNATED POLYMER
CONCRETE PONCELETS METHOD 2
UF PONCELET CONSTRUCTION
BT EARTH PRESSURE THEORIES CONCRETES ADMIXTURES GRAPHICAL METHODS COULOMBS THEORY CRITICAL SURFACE CULMANNS METHOD CONCRETE- POLYMER MATERIALS POLYMER CONCRETE RESIN CONCRETE PONDAGE ONDAGE 1 RT DEAD STORAGE DETENTION RESERVOIRS POLYMER PORTLAND CEMENT CONCRETE NOTE: Made with portland cement and water soluble polymer as HYDROELECTRIC PLANTS binders BT CONCRETES
RT CONCRETE-POLYMER MATERIALS -- WATER STORAGE PONDING RT- - DAMS POLYMER CONCRETE 1 POLYMERIZATION 3
UF COPOLYMERIZATION
BT CHEMICAL REACTIONS -- DRAINAGE -- FLOODING INFILTRATION (WATER)
PERMEABILITY POLYMERS 2 3 5 NOTE: Use of a more specific term is recommended; consult the terms listed below COMPOSITE MATERIALS CONC...TE-POLYMER MATERIALS PONDS POROSITY PUDDLING -- WATER STORAGE

PONDING TESTS 2 RT-FIELD PERMEABILITY TESTS FLUORESCEIN -- LEAKAGE PERCOLATION -- PERMEABILITY -- SEEPAGE FARM PONDS
AQUATIC HABITATS
FLOOD CONTROL PONDS FOREBAYS FRESH WATER LAGOONS (LANDFORMS) LAGOONS (PONDS) -- LAKES LIMNOLOGY PONDAGE PONDING -- RESERVOIRS -- SURFACE WATERS
WATER RESOURCES
WATER SUPPLY
WATER SURFACE PONTACYL BRILLIANT PINK FLUORESCENT DYES DYES DYE RELEASES ESTUARY MODELS TIDAL MODELS PONTOON BRIDGES 1 5
UF FLOATING BRIDGES
BT BRIDGES
RT FLOATING STRUCTURES -- MILITARY BRIDGES PONTOON GATES 1
UF FLOATING GATES
BT HYDRAULIC GATES
RT DRY DOCKS FLOATING STRUCTURES --LOCK GATES PONTOONS RT- - BOATS -- BRIDGES FLOATS POPCORN CONCRETE 3
use NO FINES CONCRETES POPPET VALVES 1 BT VALVES RT--PNEUMATIC VALVES POPULATIONS OPULATIONS 7
NOTE: Group of interacting individuals of the same species or smaller TAXA in a common spatial arrangement
NT ANIMAL POPULATIONS
PLANT POPULATIONS
RT BALANCE OF NATURE
BALANCE OF NATURE BIOLOGY -- COMMUNITY DISTRIBUTION PATTERNS -- ECOLOGY -- ECOTYPES -- ENVIRONMENTAL EFFECTS ENVIRONMENTAL GRADIENT EQUILIBRIUM FECUNDITY FOOD CHAINS MIGRATION STANDING CROP -- SUCCESSION PORE AIR PRESSURE BT PORE PRESSURE PRESSURE RT-- AIR -- GASES NEGATIVE PORE PRESSURE PORE WATER PRESSURE

1 2 PORE PHESSURE UF PORE PRESSURE DISSIPATION PRESSURE NEGATIVE PORE PRESSURE NEGATIVE PORE PRESSURE
PORE AIR PRESSURE
FORE WATER PRESSURE
CAPILLARY PLOW
CAPILLARY PRESSURE
CAPILLARY WATER
- CONSOLIDATION (SOILS)
CONSOLIDATION THEORY
DAM STABILITY
DEGREE OF CONSOLIDATION
EFFECTIVE STRESS
- GROUNDWATER -- GROUNDWATER
PORE PRESSURE COEFFICIENTS
PORE PRESSURE MEASUREMENT
PORE PRESSURE THEORY PORE SIZE DISTRIBUTION -- POROSITY RAPID DRAWDOWN
-- SLOPE STABILITY ANALYSIS SOIL POROSITY SOIL PRESSURE -- SOIL STRESSES -- STRESSES
TOTAL STRESS
-- TRIAXIAL SHEAR TESTS PORE PRESSURE COEFFICIENTS NOTE: Relations between the change in pore pressure and the changes in the principal stresses
UF PORE PRESSURE FARAMETERS
RT EMBANKMENT DESIGN
-- PORE PRESSURE -- TRIAXIAL SHEAR TESTS PORE PRESSURE DISSIPATION 1 2 use PORE PRESSURE PORE PRESSURE MEASUREMENT 2
BT PRESSURE MEASUREMENT
CONSOLIDATION TESTS WITH
BACK PRESSURE -- DAM PERFORMANCE -- PIEZOMETERS -- PORE PRESSURE SAND DRAIN PERFORMANCE TRIAXIAL SHEAR TESTS (SOILS) PORE PRESSURE PARAMETERS 2
use PORE PRESSURE COEFFICIENTS PORE PRESSURE THEORY 2 RT CAPILLARY PRESSURE CAPILLARY WATER -- PORE PRESSURE PORE SIZE DISTRIBUTION -- POROSITY SAND DRAIN THEORY PORE SIZE DISTRIBUTION 2
RT CAPILLARY WATER
--PORE PRESSURE
PORE PRESSURE THEORY PORE WATER 2
BT WATER
RT-GROUNDWATER HYDROGENESIS FORE WATER PRESSURE -- POROSITY FOROUS MATERIALS -- WATER CONTENT (SOILS) WATER PRESSURE 1 2 3
EXCESS HYDROSTATIC PRESSURE
HYDRAULIC PRESSURE (FREEZING)
PORE PRESSURE
PRESSURE PORE WATER PRESSURE PRESSURE BACK PRESSURE BACK PRESSURE SATURATION

PORE WATER PRESSURE (Con.) HYDRAULIC FRACTURING HYDROSTATIC PRESSURE NEGATIVE PORE PRESSURE NEUTRAL STRESS PIEZOMETERS PIEZOMETRIC HEAD PIEZOMETRIC SURFACE PORE AIR PRESSURE PORE AIR PRESSURE PORE WATER PRESSURE HEAD PRIMARY CONSOLIDATION RELIEF WELLS SAND DRAIN PERFORMANCE TRANSDUCERS UPLIFT PRESSURE WATER PRESSURE	POROUS MEDIA 1 2 3 RT- AQUIFERS AQUITARDS DARCYS LAW DIFFUSIVITY DUPUIT- PORCHHEIMER THEORY DUPUITS EQUATION FILTERS FLOW FLOW THROUGH POROUS MEDIA FLUID FILTERS GRANULAR MEDIA HYDRAULIC CONDUCTIVITY LAPLACE EQUATION PERMEABILITY POROSITY POROUS MATERIALS TRANSMISSIVITY
POROSITY 1 2 3 6 NT ROCK POROSITY SOIL POROSITY RT CAPILLARITY CAPILLARY FLOW	PORT FACILITIES 1 2 3 4 use HARBOR FACILITIES HARBOR STRUCTURES
COMPACTIBILITY COMPRESSIBILITY DENSITY (MASS/VOLUME) HYDHOGENESIS	PORTLAND BLAST FURNACE SLAG CEMENTS 3 use PORTLAND SLAG CEMENTS PORTLAND CEMENT CLINKER 3
INFILTRATION (WATER) LEAKAGE PERCOLATION PERMEABILITY PONDING PORE PRESSURE PORE PRESSURE THEORY PORE SIZE DISTRIBUTION PORE WATER POROUS CONCRETE	UF PC CLINKER BT CLINKER RT-AGGREGATES CRYSTALLIZATION GRINDING (COMMINUTION)HYDRAULIC CEMENTS PORTLAND CEMENT CLINKER COOL- INGPORTLAND CEMENTS STOCKPILING
POROUS MATERIALS POROUS MEDIA SATURATED FLOW SEEPAGE SINTERING	PORTLAND CEMENT CLINKER COOLING 3 RT GLASS CONTENT PORTLAND CEMENT CLINKER
SPECIFIC RETENTION SPECIFIC SURFACE SPECIFIC YIELD STORAGE CAPACITY STORAGE COEFFICIENT SUBSURFACE DRAINAGE TEXTURE	PORTLAND CEMENT COMPOUND COMPOSITION 3 RT CALCIUM ALUMINATES CALCIUM FERRITES CALCIUM SILICATES HIGH ALKALI CEMENTS MAGNESIUM OXIDES PORTLAND CEMENT GROUTS 3
VOID RATIO VOIDS	use CEMENT GROUTS
POROUS CONCRETE 3 BT CONCRETES POROUS MATERIALS	PORTLAND CEMENT KILN REACTIONS 3 RT KILNS
RT CELLULAR CONCRETES POROSITY POROUS CONCRETE PIPES POROUS CONCRETE PIPES 1 2 3 5	PORTLAND CEMENT PHYSICAL PROPERTIES BT CEMENT PROPERTIES BT CEMENT HYDRATION CEMENT SETTING FALSE SET (CEMENT)
BT CONCRETE PIPES CONCRETE PRODUCTS CONDUITS	HEAT OF HYDRATION SOUNDNESS (CEMENT)
PIPES RT POROUS CONCRETE DRAINS	PORTLAND CEMENT PHYSICAL TESTS 3 NT AUTOCLAVE TESTS PAT TESTS FT HEAT OF HYDRATION
POROUS MATERIALS 1 2 3 NT POROUS CONCRETE RT BUBBLE PRESSURE	PORTLAND CEMENT PLANTS 3 USe CEMENT PLANTS
CELLULAR PLASTICSCOARSE GRAINED SOILS DARCYS LAW FILTER MATERIALS FILTER STONESFOAMING AGENTSGRAVELS	PORTLAND CEMENT TYPE 1 3 NOTE: General purpose cement BT CEMENTS HYDRAULIC CEMENTS PORTLAND CEMENTS
HONEYCOMB STRUCTURESPERMEABILITY POLYURETHANE RESINS PORE WATERPOROSITY POROUS MEDIA	PORTLAND CEMENT TYPE 2 3 NOTE: Moderate sulfate resisting cement BT CEMENTS HYDRAULIC CEMENTS PORTLAND CEMENTS
SANDS SPECIFIC SURFACE	PORTLAND CEMENT TYPE 3 3 use HIGH EARLY STRENGTH CEMENTS

PORTLAND CEMENT TYPE 4
use LOW HEAT CEMENTS PORTLAND CEMENT TYPE 5 USE SULFATE RESISTING CEMENTS PORTLAND CEMENTS 2 3 5 BT CEMENTS HYDRAULIC CEMENTS AIR ENTRAINING CEMENTS T AIR ENTRAINING CEMENTS
- EXPANSIVE CEMENTS
HIGH ALKALI CEMENTS
HIGH EARLY STRENGTH CEMENTS
LOW ALKALI CEMENTS
LOW HEAT CEMENTS
PORTLAND CEMENT TYPE 1
PORTLAND CEMENT TYPE 2
PORTLAND POZZOLAN CEMENTS
PORTLAND SLAG CEMENTS
SULPATE RESISTING CEMENTS
WHITE PORTLAND CEMENTS
WHITE PORTLAND CEMENTS WHITE PORTLAND CEMENTS
CALCIUM SILICATES
CALCIUM SULFATES
CEMENT SOIL STABILIZATION -- CONCRETES GYPSUM MASONRY CEMENTS MORTARS (MATERIAL) OIL WELL CEMENTS -- PASTES PLASTER PORTLAND CEMENT CLINKER -- POZZOLANS SOIL CEMENT STUCCO TOBERMORITE PORTLAND POZZOLAN CEMENTS 3 CEMENTS HYDRAULIC CEMENTS PORTLAND CEMENTS BLENDED CEMENTS LOW HEAT CEMENTS POZZOLAN CEMENTS -- POZZOLANS PORTLAND SLAG CEMENTS 3
UF PORTLAND BLAST FURNACE SLAG CEMENTS CEMENTS HYDRAULIC CEMENTS PORTLAND CEMENTS RT BLENDED CEMENTS SLAG CEMENTS

PORTS 1 2 3 4
use HARBORS

POSITIVE SKIN FRICTION 2
BT FRICTION
SHAFT RESISTANCE (PILES)
SKIN FRICTION (PILES)
RT FRICTION PILES
NEGATIVE SKIN FRICTION

POSTCLIMAX 7
NOTE: Climax community that requires more mesic conditions
(medium in moisture supply) than obtains generally in the region where it is present, often considered a remnant of a former widespread climatic climax
BT CLIMAX
ECOSYSTEMS
SUCCESSION

POST- TENSIONING 3
BT PRESTRESSING
RT CIRCULAR PRESTRESSING
PRECAST CONCRETE
PRESTRESSED CONCRETE

POTABLE WATER 1 3 7 NOTE: Water suitable for drinking purposes
BT WATER
RT DESALTING
FRESH WATER
PUBLIC HEALTH
ECCLAIMED WATER HECLAIMED WATER

- SALT WATER
WATER PURIFICATION
WATER SUPPLY
WATER SUPPLY
WATER SUPPLY SYSTEMS POTAMOLOGY DTAMOLOGY 1 2
NOTE: Branch of hydrology dealing with rivers and streams
BT HYDROLOGY
BT BANK EROSION
BANK PROTECTION
BY HYDROLOGY -- FLUVIAL MORPHOLOGY RIVER BASINS RIVER ENGINEERING RIVER REGULATION -- RIVERS SEDIMENT CONTROL -- STREAMS OTASSIUM 2 3 7
BT METALS
RT ALKALINE SOILS
ALLOYS POTASSIUM POTASSIUM HYDROXIDES BT HYDROXIDES
POTASSIUM INORGANIC COMPOUNDS
RT POTASSIUM OXIDES POTASSIUM INORGANIC COMPOUNDS NT POTASSIUM HYDROXIDES POTASSIUM OXIDES POTASSIUM OXIDES OXIDES
POTASSIUM INORGANIC COMPOUNDS
RT POTASSIUM HYDROXIDES POTENTIAL ENERGY 2 4
BT MECHANICAL ENERGY
RT KINETIC ENERGY POTENTIAL FLOW 1
UF IRROTATIONAL FLOW
BT FLOW FLUID FLOW RT FLOW NETS -- HYDRAULICS HYDRODYNAMICS POTENTIOMETERS 2 3 4 6
NOTE: Instruments for measuring or comparing electromotive forces
BT ELECTRIC MEASURING INSTRUMENTS
MEASURING INSTRUMENTS
AUTOMATIC CONTROL
ELECTRICAL LOGGING
ELECTRICAL MEASUREMENT
FYTENSOMETERS EXTENSOMETERS -- SHEAR EQUIPMENT STRAIN GAGES POTHOLES 1 RT-- GEOMORPHOLOGY SINKHOLES POTHOLES (PAVEMENTS) RT PAVEMENT FAILURES POTHOLES (STREAMS) 1
use STREAM BOTTOM CONDITIONS

POWDER ACTUATED FASTENERS
BT FASTENERS
RT ANCHORS (FASTENERS)

POWDER (ORDNANCE) use EXPLOSIVES POWDER (PARTICLES) DUST GRANULAR MEDIA POWER AUGERS 2 AUGERS EXPLORATION SAMPLERS BT SAMPLERS SOIL SAMPLERS SUIL SAMPLERS

BARREL AUGERS

BUCKET AUGERS

CONTINUOUS FLIGHT AUGERS

HELICAL AUGERS

RT HAND AUGERS

MECHANICAL BARRES MECHANICAL BORERS POWER- DENSITY SPECTRA 4 5 use POWER SPECTRA POWER HEAD BT HEAD (FLUID MECHANICS) RT HYDROELECTRIC PLANTS TAILWATER WATER LEVELS POWER PLANTS (ELECTRICITY)
use ELECTRIC POWER PLANTS 123467 POWER RESOURCES 6
use ENERGY RESOURCES POWER SHOVELS CONSTRUCTION EQUIPMENT EARTH HANDLING EQUIPMENT EXCAVATORS
SHOVELS (CONSTRUCTION EQUIPMENT) POWER SPECTRA 4 5
UF POWER-DENSITY SPECTRA
SPECTRAL DENSITY
RT-ACCUSTICS
--WAVE PROPAGATION POWER SPECTRUM ANALYSIS BT SPECTRUM ANALYSIS POWER TAMPERS BT COMPACTION EQUIPMENT
CONSTRUCTION EQUIPMENT
RT. IMPACT COMPACTION POWER TRANSMISSION SYSTEMS 2 6 RT ELECTRIC WIRE
ELECTRICAL ENERGY
ELECTRICAL ENGINEERING
TRANSMISSION LINES POWER TUNNELS use PENSTOCKS POWER TURN STEERING use SKID STEERING POWER WHEELS BT WHEELS RT-- DRIVE SYSTEMS ELECTRIC DRIVES
ELECTRIC WHEELS
FOUR WHEEL DRIVES
FRONT WHEEL DRIVES
TRANSMISSIONS
--WHEELED VEHICLES POWERHOUSES 1 2 3 4 6 use ELECTRIC POWER PLANTS POZZOLAN CEMENTS 3 UF FLY ASH CEMENTS BT CEMENTS

HYDRAULIC CEMENTS
RT FLY ASH
PORTLAND POZZOLAN CEMENTS

-- POZZOLANS

POZZOLANS 2 3 UF SANTORIN EARTH NT TRASS RT--ADDITIVES -- ADMIXTURES CEMENT ADDITIONS -- CONCRETE ADMIXTURES FLY ASH FLY ASH
- HYDRAULIC CEMENTS
MASS CONCRETE
MINERAL ADMIXTURES
- PORTLAND CEMENTS
PORTLAND POZZOLAN CEMENTS
POZZOLAN CEMENTS SILICA FLOUR SILICATE CEMENTS PRAGER MODEL 2 BT MODELS RHEOLOGICAL MODELS PRANDTL NUMBER 1 RT INVISCID FLOW VISCOUS FLOW PRECAMBRIAN ERA 2 NT ARCHEOZOIC PERIOD PROTEROZOIC PERIOD PRECAST CONCRETE 2 3 4 5 BT CONCRETES
RT-- ARCHITECTURAL CONCRETE -- CONCRETE CONSTRUCTION
-- CONCRETE PRODUCTS -- CONCRETE PRODUCTS
-- LIGHTWEIGHT CONCRETES
POST TENSIONING
PRECAST CONCRETE BEAMS
PRECAST CONCRETE COLUMNS
PRECAST CONCRETE PANELS
-- PRECAST CONCRETE PILES
PRECAST CONCRETE SLABS
PREFABRICA TION PREFABRICATION PRESTRESSED CONCRETE
-- PRESTRESSING PRETENSIONING
-- REINFORCED CONCRETE
VACUUM TREATED CONCRETE PRECAST CONCRETE BEAMS 3 4
BT CONCRETE BEAMS
BEAMS (SUPPORTS)
STRUCTURAL MEMBERS
RT PRECAST CONCRETE
PRECAST CONCRETE
PRECAST CONCRETE FILES
PRECAST CONCRETE SLABS PRECAST CONCRETE COLUMNS
BT CONCRETE COLUMNS
COLUMNS (SUPPORTS)
STRUCTURAL MEMBERS PRECAST CONCRETE
PRECAST CONCRETE BEAMS
PRECAST CONCRETE PILES
PRECAST CONCRETE SLABS PRECAST CONCRETE PANELS BT PANELS CONCRETE PANELS STRUCTURAL MEMBERS RT PRECAST CONCRETE PRECAST CONCRETE PILES 2 3 4
BT CONCRETE PILES
CONCRETE PRODUCTS

PILES

STRUCTURAL MEMBERS
PRESTRESSED CONCRETE PILES
COMPOSITE PILES
DRIVEN PILES

```
PRECAST CONCRETE PILES
                                                                                                                                PRECIPITATION (METEOROLOGY) (Con.)
                                                                                                                                         MONSOONS
--PRECIPITATION GAGES
PRECIPITATION INTENSITY
PROBABLE MAXIMUM PRECIPITATION
RAIN AND FAINFALL
RIVER BASINS
RIVER FORECASTING
              PRECAST CONCRETE
PRECAST CONCRETE BEAMS
PRECAST CONCRETE COLUMNS
              PRECAST CONCRETE SLABS
PRECAST CONCRETE SLABS
            CONCRETE SLABS
              SLABS
                                                                                                                                          -- RUNOFF
              STRUCTURAL MEMBERS
                                                                                                                                               SIMULATED RAINFALL
              PRECAST CONCRETE BEAMS
PRECAST CONCRETE COLUMNS
PRECAST CONCRETE PILES
                                                                                                                                         SQUALLS
-- STORMS
                                                                                                                                         -- SURFACE WATERS
THUNDERSTORMS
-- WATER
                                                                                                                                         -- WATER
WATER BALANCE
WATER RESOURCES
WATER SUPPLY
-- WATER SUPPLY FORECASTING
-- WATER SUPPLY FORECASTING
PRECIPITATES
                     TES 7
Solids that separate from
          a solution because of some chemi-
cal or physical change or the
     formation of such solids
RT PRECIPITATION (CHEMISTRY)
                                                                                                                                          -- WATERSHEDS
                                                                                                                                          -- WEATHER
                                                                                                                                         WEATHER FORECASTING
-- WEATHER MODIFICATION
WEATHER PATTERNS
PRECIPITATION (CHEMISTRY)
     NOTE: Separation of a solid form
from a solution by chemical means
BT SEPARATION
                                                                                                                                PRECIPITATORS 7
NOTE: Air pollution control devices usually using mechanical/electrical means to collect particulates from an emission
NT ELECTROSTATIC PRECIPITATORS
RT AIR POLLUTION CONTROL EQUIPMENT CLARIFIERS
     RT-- CHEMISTRY
              CLARIFICATION
              COAGULATION
              COLLOIDS
FILTRATION
              FLOCCULATION
PRECIPITATES
          -- PRECIPITATORS
              SEDIMENTATION
                                                                                                                                               PRECIPITATION (CHEMISTRY)
              SOLUBILITY
                                                                                                                                 PRECLIMAX 7
NOTE: Climax community that occur usually in more xeric conditions (dry habitat) than obtain generally in the region where it is present, often considered a stage in succession preceding the full development of a climax

ECOSYSTEMS
SUCCESSION
PRECIPITATION GAGES 1
BT GAGES
              HYDROLOGIC INSTRUMENTS
MEASURING INSTRUMENTS
              RAIN GAGES
SNOW GAGES
    RT--GAGING STATIONS
-- HYDROMETEOROLOGICAL STATIONS
-- PRECIPITATION INTENSITY
-- PRECIPITATION (METEOROLOGY)
              SNOW
              SNOWFALL
                                                                                                                                     use PRECONSOLIDATION
PRECIPITATION INTENSITY 1
RT-- PRECIPITATION GAGES
-- PRECIPITATION (METEOROLOGY)
PROBABLE MAXIMUM PRECIPITATION
RUNOFF COEFFICIENT
RUNOFF FORECASTING
                                                                                                                                 PRECONSOLIDATED SOILS
                                                                                                                                     use OVERCONSOLIDATED SOILS
                                                                                                                                PRECONSOLIDATION 2

UF PRECOMPRESSION
BT CONSOLIDATION (SOILS)
DEPORMATION
SOIL DEFORMATION
HT MECHANICAL SOIL STABILIZATION
OVERCONSOLIDATION PRECOMSOLIDATION
PRECOMSOLIDATION PRESSURE
PRELOAD FILLS
PRELOADING (SOILS)
REBOUND
PRECIPITATION (METEOROLOGY) 1
UF ATMOSPHERIC PRECIPITATION
BT METEOROLOGICAL PACTORS
NT ARTIFICIAL PRECIPITATION
CLOUDBURSTS
              HAIL
RAIN AND RAINFALL
                                                                                                                                            REBOUND OF EXCAVATION
SAND DRAIN THEORY
SETTLEMENT CONTROL
             ACCRETION (SOIL MOISTURE)
ATMOSPHERE
         CLIMATOLOGICAL DATA
              CLOUDS
         -- CYCLONES
                                                                                                                               PRECONSOLIDATION PRESSURE 2
NOTE: Greatest effective pressure
to which a soil has been subjected
BT PRESSURE
BT OVERBURDEN
             DROUGHTS
EPHEMERAL STREAMS
              FLOOD ESTIMATES
FLOOD FORECASTING
                                                                                                                                           OVERBUPDEN
OVERCONSOLIDATED SOILS
PRECONSOLIDATION
PRELOADING (SOILS)
PRESSURE VOID PATIO CURVES
REBOUND
RECOMPRESSION
SOIL PRESSURE
STRESS HISTORY
SURCHARGE
        -- FLOODS
-- FOG
        -- GROUNDWATER
              HUMIDITY
          HYDROLOGIC CYCLE
- HYDROLOGY
              LYSIMETERS
METEORIC WATER
             METEOROLOGICAL DATA
METEOROLOGICAL INSTRUMENTS
         -- METEOROLOGY
                                                                                                                              PRECOOLING (CONCRETE) use COOLING (CONCRETE)
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PREDATION 7
NOTE: Behavior of animals, predators, in killing other animals
RT CARNIVORES PRELOADING (SOILS)
PRELOAD FILLS SAND DRAIN CONSTRUCTION SAND DRAINS COMPETITION -- SETTLEMENT -- ECOLOGY FOOD CHAINS PREPAKT CONCRETE 3
use PREPLACED AGGREGATE CONCRETE SECONDARY PRODUCTIVITY PREDICTING use FORECASTING PREPLACED AGGREGATE CONCRETE 3 UF PREPART CONCRETE
BT CONCRETES
RT-- GROUTING
MASS CONCRETE PREDICTIONS CTIONS 5 6
PENETRATION DEPTH PREDICTION
PERFORMANCE PREDICTIONS
SOIL MOISTURE PREDICTION
SOIL STRENGTH PREDICTION
TRAFFICABILITY PREDICTION
WATER TABLE PREDICTION
CORRELATION TECHNIQUES UNDERWATER CONSTRUCTION PRESPLITTING (BLASTING) 2 4
RT-- BLASTING
-- EXPLOSION EFFECTS
-- EXPLOSIVE EXCAVATION -- EVALUATION -- FORECASTING FRACTURING ROCK BLASTING ROCK EXCAVATION -- MATHEMATICAL MODELS
MOBILITY MODELS
MOBILITY NUMBERS
OPERATIONS RESEARCH
PROBABILITY THEORY
FEGRESSION ANALYSIS ROCK FRACTURE ROCK MECHANICS FORM PRESSURE PRESSURE RELIABILITY
-- STATISTICAL ANALYSIS
STATISTICAL DISTRIBUTIONS ACTIVE EARTH PRESSURE
AIR SURCHARCE PRESSURE
ARTESIAN PRESSURE
ATTREST EARTH PRESSURE
ATMOSPHERIC PRESSURE
BACK PRESSURE PREFABRICATED BUILDINGS 3 4 6
BT BUILDINGS
RT CONSTRUCTION BACK PRESSURE BAROMETRIC PRESSURE PREFABRICATION BASE PRESSURE PREFABRICATED MEMBRANES 2 5 BUBBLE PRESSURE CAPILLARY PRESSURE BT MEMBRANES
RT FIBER REINFORCED PLASTICS
IMPERVIOUS MEMBRANES
PREFABRICATED SURFACINGS CAPILLARY PRESSURE

-CONTACT PRESSURE (VEHICLES)
DIFFERENTIAL PRESSURE
DYNAMIC PRESSURE
-EARTH PRESSURE
HIGH PRESSURE
HYDRAULIC PRESSURE
HYDRODYNAMIC PRESSURE
HYDROSTATIC PRESSURE
LATERAL PRESSURE PREFABRICATED SURFACINGS 2 5
BT SURFACINGS
RT EXPEDIENT SURFACINGS
--LANDING MATS
PREFABRICATED MEMBRANES
ENTREMAN CONSTRUCTOR LATERAL PRESSURE LOW PRESSURE RAPID ROAD CONSTRUCTION LOW PRESSURE
NEGATIVE PORE PRESSURE
OSMOTIC PRESSURE
OVERPRESSURE
PASSIVE EARTH PRESSURE PREFABRICATION RT-- CONCRETE PANELS
-- CONSTRUCTION - PANELS
PHECAST CONCRETE
PREFABRICATED BUILDINGS PORE AIR PRESSURE PORE PRESSURE PORE WATER PRESSURE PRECONSOLIDATION PRESSURE -- STRUCTURAL MEMBERS ROCK PRESSURE ROCK PRESSURE
SEEPAGE PRESSURE
SOIL PRESSURE
SWELLING PRESSURE
STATIC PRESSURE
TIRE CONTACT PRESSURE
TUNNEL PRESSURE
UPLIFT PRESSURE
VAPOR PRESSURE PRELOAD FILLS 2 BT FILLS RT--CONSOLIDATION (SOILS) EARTH FILLS OVERCONSOLIDATED SOILS OVERPRESSURE OVERPRESSUME PRECONSOLIDATION PRELOADING (SOILS) SAND DRAIN CONSTRUCTION SAND DRAIN DESIGN VELOCITY HEAD -- WATER PRESSURE WAVE PRESSURE WIND PRESSURE SETTLEMENT CONTROL SOIL DISPLACEMENT METHODS ELECTROOSMOSIS EXTERNAL FORCES FORCE GAS LAWS SUPCHARGE PRELOADING (SOILS) 2
NOTE: Densification by placing a temporary load
BT DENSIFICATION (SOILS)
RT-COMPACTION (SOILS)
COMPRESSIBILITY (SOILS)
COMPRESSIVE STRESS
--CONSOLIDATION (SOILS)
MECHANICAL SOIL STABILIZATION
PRECONSOLIDATION
PRECONSOLIDATION PRESSUPE GEYSERS HEAD LOSSES
IMPACT
LOAD DISTRIBUTION
LOADS (FORCES)
MANOMETERS -- PRESSURE CELLS
-- PRESSURE CELLS (SOILS)
PRESSURE CONDUITS
-- PRESSURE CONTROL PRESSURE CONTROL
PRESSURE DISTRIBUTION
PRESSURE DRAG
-- PRESSURE GAGES
-- PRESSURE MEASUREMENT

TRE (Con.)
PRESSURE REGULATORS
PRESSURE-SINKAGE RELATIONS
PRESSURE TESTS PRESSURE PRESSURE CONDUITS (Con.) -- OUTLET WORKS PENSTOCKS -- PIPELINES -- PIPES -- PRESSURE -- STRESSES -- PRESSURE PRESSURE GRADIENTS PRESSURE TUNNELS WATER DISTRIBUTION -- WATER PRESSURE WATER HAMMER PRESSURE BULBS 2
use PRESSURE DISTRIBUTION PRESSURE CELLS 1 2 3 4

UF PRESSURE TRANSDUCERS

BT MEASURING INSTRUMENTS

NT PRESSURE CELLS (FULIDS)

PRESSURE CELLS (ROCK)

--PRESSURE CELLS (SOILS)

WES PRESSURE CELLS

RT DYNAMIC STRESS MEASUREMENT

ELECTRICAL RESISTIVITY

LOAD DISTRIBUTION PRESSURE CONTROL 1 2
RT AUTOMATIC CONTROL
-- CONTROL EQUIPMENT
-- PNEUMATIC VALVES -- PRESSURE PROCESS CONTROLS PRESSURE REGULATORS
RELIEF WELLS
REMOTE CONTROL
-- TRANSDUCERS LOAD DISTRIBUTION
- PRESSURE DISTRIBUTION
- PRESSURE GAGES
- PRESSURE MEASUREMENT
PRESSURE TESTS PRESSURE DISTRIBUTION 1 2 3 4 5
UF PRESSURE BULBS
RT CONTACT PRESSURE
--CONTACT PRESSURE (VEHICLES)
EARTH PRESSURE MEASUREMENT -- SENSORS STRAIN GAGES FOUNDATION PRESSURES IMPERVIOUS LININGS -- TRANSDUCERS IMPERVIOUS LININGS
LOAD DISTRIBUTION
-- LOADS (FORCES)
-- PRESSURE
-- PRESSURE CELLS
-- PRESSURE CELLS (SOILS)
-- PRESSURE GAGES
PRESSURE GRADIENTS
SOIL PRESSURE INTERAC PRESSURE CELLS (CONCRETE) 3
use STRESS METERS (CONCRETE) RESSURE CELLS (FLUIDS) 1 2
UF FLUID PRESSURE CELLS
BT MEASURING INSTRUMENTS
PRESSURE CELLS
RT PRESSURE CELLS (SOILS) PRESSURE CELLS (FLUIDS) SOIL PRESSURE
SOIL-STRUCTURE INTERACTION
SOIL-TRACK INTERACTION
--SOIL-WEHICLE INTERACTION
SOIL-WHEEL INTERACTION
STRESS DISTRIBUTION
TIRE CONTACT PRESSURE
TIRE-PAVEMENT INTERACTION
-- UNDERGROUND STRUCTURES TRANSDUCERS WATER PRESSURE MEASUREMENT PRESSURE CELLS (ROCK) 2 3 4
UF ROCK PRESSURE CELLS
BT MEASURING INSTRUMENTS
PRESSURE CELLS
RT ROCK PRESSURE
ROCK PRESSURE MEASUREMENT
ROCK STRESS MEASUREMENT PRESSURE DRAG BT DRAG RESISTANCE PRESSURE CELLS (SOILS) 1 2 3 4

UF SOIL PRESSURE CELLS

BT MEASURING INSTRUMENTS
PRESSURE CELLS

NT WES PRESSURE CELLS

RT--CONTACT PRESSURE (VEHICLES)
EARTH PRESSURE MEASUREMENT NT WAVE DRAG RT BOUNDARIES (SURFACES) -- PRESSURE PRESSURE GAGES 1 2 3 4 5 6
UF PRESSURE MEASURING INSTRUMENTS PRESSURE METERS PRESSURE
PRESSURE CELLS (FLUIDS)
PRESSURE DISTRIBUTION
- PRESSURE GAGES
PRESSURE MEASUREMENT
- SENSORS GAGES HYDROLOGIC INSTRUMENTS MEASURING INSTRUMENTS MEASURING INSTRUMENTS
BAROMETERS
BOURDON GAGES
ELECTRICAL PIEZOMETERS
EMBANKMENT PIEZOMETERS
FOUNDATION PIEZOMETERS
HYDRAULIC PIEZOMETERS -- SENSORS
SOIL PRESSURE
STRAIN GAGES
STRESS GAGES (SOILS)
- TRAFFICABLITY TEST INSTRUMENTS MANOMETERS -- PIEZOMETERS MANOMETERS
PNEUMATIC PIEZOMETERS
PNEUMATIC PIEZOMETERS
SHOCK PRESSURE GAGES
T DUTCH PENETROMETER
LOAD CELLS
NULL INDICATORS
ORIFICE METERS
-- PRESSURE
-- PRESSURE CELLS
-- PRESSURE CELLS
-- PRESSURE DISTRIBUTION
-- PRESSURE MEASUREMENT
-- PRESSURE MEASUREMENT
-- PRESSURE MEASUREMENT
-- PRESSURE SENSORS
-- SHEAR EQUIPMENT
-- STRAIN GAGES
-- STRESS GAGES (SOILS)
TIRE TEST EQUIPMENT
-- VEHICLE TEST INSTRUMENTS
VENTURI METERS -- TRANSDUCERS VEHICLE TEST INSTRUMENTS PRESSURE CHAMBER TESTS STRESS-STRAIN CURVES STRESS-STRAIN RELATIONS (ROCK) STRESS-STRAIN RELATIONS (SOILS) PRESSURE CONDUITS 1 2 BT CONDUITS RT AIR CHAMBERS HOOP TENSION

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-- HYDRAULICS

PRESSURE GRADIENTS 1 2
BT GRADIENTS
RT DIFFERENTIAL PRESSURE
-- FLOW
-- FLUID FLOW
-- FLUID RESISTANCE
-- HEAD LOSSES
-- HYDRAULIC GRADIENTS
-- HYDROMECHANICS
-- HYDROMECHANICS PRESSURE REGULATORS (Con. RT--CONSOLIDOMETERS HYDRODYNAMIC PRESSURE (Con.) MEASURING INSTRUMENTS -- PRESSURE PRESSURE CONTROL
-- PRESSURE GAGES -- SHEAR EQUIPMENT - HYDROMECHANICS
HYDROSTATICS
ISOBARS (PRESSURE)
- PIEZOMETERS
- PRESSURE CONDUITS
PRESSURE DISTRIBUTION
- PRESSURE MEASUREMENT PRESSURE RELIEF WELLS 1 2 use RELIEF WELLS PRESSURE SENSORS 1 BT SENSORS RT-- PRESSURE GAGES VENTURI METERS PRESSURE- SINKAGE RELATIONS RT PLATE SINKAGE TESTS -- PRESSURE PRESSURE GROUTING 2 3 use GROUTING RUT DEPTH PRESSURE HEAD 1
BT HEAD (FLUID MECHANICS)
RT ENERGY EQUATION
HEAD LOSSES
HYDRAULIC GRADIENTS
HYDRAULIC PRESSURE
--HYDRAULICS
HYDROUNAMICS -- STNKAGE -- SOIL PROPERTY RELATIONS STRESS STRAIN RELATIONS (SOILS) STRESSES VEHICLE SINKAGE PRESSURE TESTS 1
RT HYDROSTATIC PRESSURE
--PERSBURE
--PRESSURE
--PRESSURE CELLS HYDROSTATIC PRESSURE HYDROSTATICS JETS (FIJIDS)
PITOT SPHERES
PORE WATER PRESSURE
PRESSURE PIPES -- WATER PRESSURE PRESSURE TESTS (DRILL HOLES) 2

NOTE: Tests for permeability
measurement; water is pumped
into a drill hole with measurements being taken at quantity of
flow for given pressure increments
BT FIELD PERMEABILITY TESTS
FIELD TESTS
PERMEABILITY TESTS
RT OPEN END TESTS TURBINE EFFICIENCY -- VELOCITY
WATER LEVELS
-- WATER PRESSURE PRESSURE MEASUREMENT 1 2 3 4
NT EARTH PRESSURE MEASUREMENT
PORE PRESSURE MEASUREMENT
ROCK PRESSURE MEASUREMENT
WATER PRESSURE MEASUREMENT F OPEN END TESTS
PERMEABILITY (ROCK)
PUMPING TESTS (WELLS)
--WATER PRESSURE DIFFERENTIAL PRESSURE MANOMETERS
PIEZOELECTRIC GAGES
PIEZOMETERS PRESSURE TESTS (TUNNELS) WESSURE TESTS (TUNNELS) 2

NOTE: Performed at pressure tunnel sites to determine if the rock can support part of the hydrostatic load, to reduce the thickness of the liner BT FIELD TESTS

RT-HYDRAULIC GRADIENTS

PRESSURE CHAMBER TESTS

PRESSURE TUNNELS

TUNNEL DESIGN -- PRESSURE
-- PRESSURE CELLS
-- PRESSURE CELLS (SOILS)
-- PRESSURE GAGES
PRESSURE GRADIENTS
STRESS GAGES (SOILS)
-- STRESS MEASUREMENT -- PRESSURE -- TRANSDUCERS PRESSURE MEASURING INSTRU-MENTS 1 2 3 4 5 6 TUNNEL DESIGN -- WATER PRESSURE MENTS 1 2 3 4 5 use PRESSURE GAGES PRESSURE TRANSDUCERS 1 2 3 4 use PRESSURE CELLS STRESS METERS (CONCRETE) PRESSURE METERS 1 2 3 4 5 6 use PRESSURE GAGES PRESSURE TUNNELS 1 2
NOTE: For conveying fluids under PRESSURE PIPES 1
BT CLOSED CONDUITS
CONDUITS NOTE: For conveying fluids pressure
BT CONDUITS
TUNNELS
WATER TUNNELS
FT-DIVERSION TUNNELS
PENSTOCKS
PRESSURE CONDUITS
PRESSURE PIPES
PRESSURE TESTS (TUNNELS)
TUNNEL DESIGN
TUNNEL HYDRAULICS
TUNNEL PIPES
TUNNEL PIUGS
TUNNEL PRESSURE PIPES PIPES

ASBESTOS CEMENT PIPES
HOOP TENSION
--HYDRAULICS
HYDROSTATIC PRESSURE PENSTOCKS - PIPELINES PRESSURE HEAD
PRESSURE TUNNELS
PRETENSIONED PIPES
REINFORCED PLASTIC PIPES STEEL PIPES PRESSURE REDUCING VALVES BT VALVES PRESSURE VESSELS 3 4
UF CONCRETE PRESSURE VESSELS
PRESTRESSED CONCRETE PRESSURE PRESSURE REGULATORS BT CONTROL EQUIPMENT VALVES VESSELS REACTOR CONTAINMENT VESSELS

PRESSURE VESSELS (Con.)
RT AUTOCLAVES
AUTOCLAVING
NUCLEAR REACTOR CONTAINMENT
NUCLEAR REACTORS PRESSURE VOID RATIO CURVES
UF COMPRESSION CURVES
EXPANSION CURVE
RECOMPRESSION CURVE
RECOMPRESSION CURVE
VIRGIN COMPRESSION
COEFFICIENT OF COMPRESSIBILITY
COEFFICIENT OF VOLUME COMPRESSIBILITY
COMPRESSIBILITY
COMPRESSION
-- COMPRESSION -COMPRESSIBILITY (SOILS)
-COMPRESSION INDEX
-CONSOLIDATION TESTS (SOILS)
LOADING RATE
PRECONSOLIDATION PRESSURE REBOUND
RECOMPRESSION
SETTLEMENT ANALYSIS
SETTLEMENT RECORDS
SWELLING INDEX
TIME SETTLEMENT RELATIONSHIP
-- VOID RATIO PRESSURE WAVES 2 3 4
BT WAVES
RT COMPRESSION WAVES -- ELASTIC WAVES -- SHOCK WAVES PRESSURIZED WATER REACTORS
USE NUCLEAR REACTORS PRESTEAMING PERIOD : UF DELAY PERIOD RT--CONCRETE CURING --STEAM CURING PRESTON TUBES 1
NOTE: For measuring boundary shear use PITOT TUBES PRESTRESS LOSS (CONCRETE)
RT PRESTRESSED CONCRETE
SLIPPAGE (CONCRETE) PRESTRESSED CONCRETE 2 3 4 5
BT CONCRETES
RT-CONCRETE CONSTRUCTION
EXPANSIVE CEMENTS
HIGH STRENGTH CONCRETES
POST-TENSIONING
PRECAST CONCRETE
PRESTRESSED CONCRETE BRAMS
PRESTRESSED CONCRETE BRIDGES
PRESTRESSED CONCRETE PANELS
PRESTRESSED CONCRETE SLABS
PRESTRESSED CONCRETE SLABS
PRESTRESSED DAMS
PRESTRESSED FOUNDATIONS
-PRESTRESSING
PRESTRESSING PRESTRESSED FOUNDATIONS
-- PRESTRESSING
PRESTRESSING STEELS
PRETENSIONING
-- REINFORCED CONCRETE
-- REINFORCING STEELS
SELF STRESSING CEMENTS -- SLABS PRESTRESSED CONCRETE BEAMS
BT BEAMS (SUPPORTS)
CONCRETE BEAMS
CONCRETE BEAMS 3 4 CONCRETE BEAMS
STRUCTURAL MEMBERS
PRESTRESSED CONCRETE
PRESTRESSED CONCRETE
PRESTRESSED CONCRETE
PRESTRESSED CONCRETE
PRESTRESSED CONCRETE
SLABS PRESTRESSED CONCRETE BRIDGES RESSED CONCRETE BRIDGE
BRIDGES
CONCRETE BRIDGES
STRUCTURAL MEMBERS
PRESTRESSED CONCRETE BT PRESTRESSED CONCRETE COLUMNS 3
BT COLUMNS (SUPPORTS)
CONCRETE COLUMNS
STRUCTURAL MEMBERS
RT PRESTRESSED CONCRETE
PRESTRESSED CONCRETE
PRESTRESSED CONCRETE
PRESTRESSED CONCRETE
PRESTRESSED CONCRETE
SLABS PRESTRESSED CONCRETE PANELS 3
BT CONCRETE PANELS
PANELS
STRUCTURAL MEMBERS
RT PRESTRESSED CONCRETE PRESTRESSED CONCRETE PILES 2 3
BT CONCRETE PILES
CONCRETE PRODUCTS PILES
PRECAST CONCRETE PILES
STRUCTURAL MEMBERS
STRUCTURAL MEMBERS
PRESTRESSED CONCRETE
PRESTRESSED CONCRETE COLUMNS
PRESTRESSED CONCRETE SLABS
PRESTRESSED FOUNDATIONS
PRESTRESSING
PRESTRESSING STEELS PRESTRESSED CONCRETE PIPES
BT CONCRETE PIPES
RT PRESTRESSED CONCRETE PRESTRESSED CONCRETE PRESSURE VESSELS 3
use PRESSURE VESSELS PRESTRESSED CONCRETE SLABS
BT CONCRETE SLABS
SLABS
STRUCTURAL MEMBERS 3 4 STRUCTURAL MEMBERS
PRESTRESSED CONCRETE
PRESTRESSED CONCRETE
PRESTRESSED CONCRETE COLUMNS
PRESTRESSED CONCRETE PILES PRESTRESSED DAMS 1 2 3 4
BT CONCRETE DAMS
DAMS PRESTRESSED CONCRETE PRESTRESSING PRESTRESSING STEELS PRESTRESSED FOUNDATIONS 2 3 4
BT FOUNDATIONS
RT PRESTRESSED CONCRETE
PRESTRESSING
PRESTRESSING
PRESTRESSING
PRESTRESSING
PRESTRESSING
PRESTRESSING
PRESTRESSING
PRESTRESSING PRESTRESSING STEELS PRESTRESSING 2 3 4

NT CIRCULAR PRESTRESSING
POST-TENSIONING
PRETENSIONING
UNBONDED PRESTRESSING
RT-CONCRETE CONSTRUCTION
PATIGUE (MATERIALS)
FLAT JACKS
- JACKS
PRECAST CONCRETE -- JACKS
PRECAST CONCRETE
PRESTRESSED CONCRETE
PRESTRESSED CONCRETE
PRESTRESSED DAMS
PRESTRESSED FOUNDATIONS
PRESTRESSEN SITELS
SLIPPAGE (CONCRETE)
STRENOTH OF
-- STRESSES
-- STRUCTURAL MEMBERS -- STRUCTURAL MEMBERS

PRESTRESSING STEELS 2 3 4 TENDONS STEELS UF HIGH STRENGTH STEELS
PRESTRESSED CONCRETE
PRESTRESSED CONCRETE PILES
PRESTRESSED DAMS PRESTRESSED FOUNDATIONS -- PRESTRUSSING
-- REINFORCING STEELS
STRUCTURAL STEELS PRETENSIONED PIPES
BT CLOSED CONDUITS
PIPES RT-- CON RETE PIPES PRESSURE PIPES PRETENSIONING BT PRESTRESSING RT PRECAST CONCRETE PRESTRESSED CONCRETE PRETREATMENT (WATER) 7 NOTE: Process used to reduce pol-lution load before the waste water is introduced into a main sewer is introduced into a main sewer system or delivered to a treatment plant for substantial reduction of the pollution load BT WATER TREATMENT RT INDUSTRIAL WATER PRICE CURRENT METER use CURRENT METERS PRIMACORD (TRADEMARK) use DETONATING CORD PRIMARY COMPRESSION 2
use PRIMARY CONSOLIDATION PRIMARY CONSOLIDATION 2
UF HYDRODYNAMIC COMPRESSION
PRIMARY COMPRESSION
BT CONSOLIDATION (SOILS)
DEFORMATION SOIL DEFORMATION INITIAL CONSOLIDATION PORE WATER PRESSURE SECONDARY CONSOLIDATION SOIL VOID RATIO WATER CONTENT (SOILS) PRIMARY PRODUCTIVITY MARIA PRODUCTIVITI (
MOTE: Rate of synthesis of organic material produced by photosynthesis (or chemosynthesis), including that which is used up in respiration by the producer organism organism F ECOLOGY PRODUCTIVITY
PRODUCTIVITY
PT-AQUATIC ALGAE
--AQUATIC MICROORGANISMS
AUTOTROPHIC ORGANISMS
BIOLOGICAL PRODUCTIVITY CYCLING NUTRIENTS ENERGY BUDGET EUTROPHICATION FOOD CHAINS PHOTOSYNTHESIS PHYTOPLANKTON -- PLANKTON SECONDARY PRODUCTIVITY -- SESTON PRIMARY TREATMENT 7
use SEWAGE TREATMENT PRIMARY WAVES 2 3 4
use COMPRESSION WAVES PRIMERS (EXPLOSIVES) CAPS (EXPLOSIVES)
DETONATORS PROBLEM SOLVING 6 RT DECISION MAKING EXPLODING WIRES EXPLOSIVE TRAINS

PRINCIPAL PLANES
RT MOHR CIRCLE PRINCIPAL STRESS SHEAR PLANES STRESS ANALYSIS -- STRESS CIRCLE PRINCIPAL STRESS RINCIPAL STRESS 2
BT STRESSES
RT COEPFICIENT OF EARTH PRESSURE
COMPRESSIVE STRESS
CONFINING PRESSURE
DEVIATOR STRESS
MOHR CIRCLE NORMAL STRESS PRINCIPAL PLANES SHEAR STRESS - STRENGTH THEORIES STRESS ANALYSIS
-- STRESS CIRCLE TENSILE STRESS
-- TRIAXIAL SHEAR TESTS
TRIAXIAL STRESS PRINTING 6 RT GRAPHIC ARTS PRISMS 6 RT GEOMETRY
-- OPTICAL INSTRUMENTS PROBABILITY 5 6
use PROBABILITY THEORY PROBABILITY THEORY 5 6

UF PROBABILITY
RT CORRELATION
CORRELATION TECHNIQUES ERROR ANALYSIS FORECASTING GAME THEORY INFORMATION THEORY MONTE CARLO METHOD -- OPERATIONS RESEARCH -- PREDICTIONS
QUALITY CONTROL
RANDOM PROCESSES
REGRESSION ANALYSIS RELIABILITY STATISTICAL DISTRIBUTIONS -- STOCHASTIC MODELS PROBABLE MAXIMUM PRECIPITATION 1
RT DESIGN FLOOD
FLOOD FORECASTING
--HYDROGRAPHS -- HYDROUGHAPHS
-- HYDROLOGY
MAXIMUM PROBABLE FLOOD
PRECIPITATION INTENSITY
-- PRECIPITATION (METEOROLOGY) -- RUNOFF
SYNTHETIC HYDROLOGY
WEATHER FORECASTING
-- WEATHER MODIFICATION PROBE POINT PENETROMETER TESTS use DRIVEN PROBE TESTS PROBES ROBES 6 NOTE: Excludes soil probes ROBES (SOILS) 5
NOTE: Use of a more specific term is recommended; consult the terms listed below AERIAL CONE PENETROMETERS AERIAL PENETROMETERS AITPIELD CONE PENETROMETERS AUTOMATED PENETROMETERS BEVAMETERS
CONE PENETROMETERS PROBES (SOILS) CONE PENETROMETERS
DROP COME PENETROMETERS
DROP HAMMER PENETROMETERS
PENETROMETERS

PROCEEDINGS 5
BT DOCUMENTS
RT MEETINGS PROCESS CONTROL 3 4 6 7

NOTE: Automatic control of an industrial process
RT ADAPTIVE SYSTEMS
ANALOG COMPUTERS
-- AUTOMATIC CONTROL
AUTOMATION
-- CONTROL EQUIPMENT
-- CONTROL EQUIPMENT
-- CONTROLERS
CYBERNETICS
FEEDBACK CONTROL
HYBRID COMPUTERS
PNEUMATIC CONTROL
PNEUMATIC INSTRUMENTS
PRESSURE CONTROL
-- QUALITY CONTROL - QUALITY CONTROL
- RECORDING INSTRUMENTS
- REGULATORS
REMOTE CONTROL TEMPERATURE CONTROL PROCTOR CURVES 2
use MOISTURE DENSITY RELATIONS PROCTOR TESTS 2
use STANDARD COMPACTION TESTS PROCUREMENT NT PURCHASING RT SPECIFICATIONS PRODUCTION CONTROL RT--PLANNING PRODUCTIVITY PURCHASING QUALITY CONTROL ROUTING SCHEDULING -- STANDARDS SYSTEMS ENGINEERING PRODUCTIVITY 6 7
NT BIOLOGICAL PRODUCTIVITY
PRIMARY PRODUCTIVITY
SECONDARY PRODUCTIVITY BIOLOGY BIOMASS BIOSTIMULATION COMPETITION DYSTROPHY -- ECOLOGY
ECONOMIC ANALYSIS
-- ENVIRONMENTAL EFFECTS
EUTROPHICATION
FECUNDITY
FERTILIZATION
FOOD CHAINS
LABOR RELATIONS
LAND VALUE
NUTHIENT REQUIREMENTS
OLIGOTROPHY
-- OXYGEN DEMAND
PLANT GROWTH
PRODUCTION CONTROL
RELIABILITY - ECOLOGY RELIABILITY STANDING CROP TROPHIC LEVEL -- VALUE ROPILES 1

NT BACKWATER PROFILES
DRAWDOWN CURVES
FLOW PROFILES
STREAMBED PROFILES
-- WATER SURFACE PROFILES
RT-- BOUNDARIES (SURFACES)
CONTOURS PROFILES -- GRADIENTS -- MAPPING -- STRATIFICATION (WATER)
-- SURVEYING THALWEG -- WEATHER PATTERNS

PROFILOMETERS 2 3 5
NOTE: Instruments for measuring
the roughness of a road surface
UF ROUGHNESS INTEGRATORS
BT MEASURING INSTRUMENTS
RT GRADIENTS
TASEPS
TASEPS HASERS
MICROGEOMETRY
- PAVEMENT PERFORMANCE AND
EVALUATION -- PAVEMENTS
-- ROAD CONSTRUCTION
SURFACE ROUGHNESS (PAVEMENTS)
-- TRAFFICABILITY TEST INSTRUMENTS PROFITS BENEFITS
BUDGETING
ENGINEERING COSTS
VALUE ENGINEERING OFUNDAL ZONE 1 7
NOTE: Bottom of a body of water below the metalimnion, or below the limit of macrophytic vegetation PROFUNDAL ZONE RT APHOTIC ZONE HYPOLIMNION PROGRAM EVALUATION REVIEW TECHNIQUE use PERT PROGRAM MANAGEMENT 6
use PROJECT MANAGEMENT PROGRAMMING (COMPUTERS) 1 2 3 4 5 6 7 use COMPUTER PROGRAMMING PROGRAMMING (ELECTRONIC COMPUTERS) 1 2 3 4 5 6 7 use COMPUTER PROGRAMMING PROGRAMMING LANGUAGES 1 2 3 4 5 6 7
UF COMPUTER LANGUAGES
BT LANGUAGES
NT FORTRAN (COMPUTER PROGRAM
LANGUAGE) RT--COMPUTER PROGRAMMING
COMPUTER PROGRAMS
COMPUTER SYSTEMS PROGRAMS
--COMPUTERS DATA PROCESSING DIGITAL COMPUTERS PROGRAMMING (MATHEMATICAL) 6
use MATHEMATICAL PROGRAMMING PROGRAMS (COMPUTERS) 1 2 3 4 5 6 7 use COMPUTER PROGRAMS PROGRAMS (ELECTRONIC COMPUTERS) 1 2 3 4 5 6 7 use COMPUTER PROGRAMS PROGRESSIVE FAILURE 1 2 3 4
BT FAILURE (MECHANICS)
RT BRITTLE FAILURE
--CREEP PROPERTIES
RESIDUAL SHEAR STRENGTH
ROCK CREEP TESTS
SOIL CREEP TESTS -- SOIL STRENGTH PROGRESSIVE WAVES (WATER)
BT WATER WAVES
WAVES PROJECT CONTROL 6
BT MANAGEMENT
PROJECT MANAGEMENT
RT CRITICAL PATH METHOD
-- MANAGEMENT METHODS PROJECT PLANNING

PROJECT MANAGEMENT PROGRAM MANAGEMENT MANAGEMENT MANAGEMENT
PROJECT CONTROL
PROJECT PLANNING
CONSTRUCTION MANAGEMENT
CONTRACT ADMINISTRATION
CRITICAL PATH METHOD SYSTEMS MANAGEMENT PROJECT PLANNING 2 5 6 BT MANAGEMENT
PLANNING
PROJECT MANAGEMENT
RT BENEFIT COST ANALYSIS
BENEFITS BENEFITS
COST ALLOCATION
COST ANALYSIS
CRITICAL PATH METHOD
DAM SITES
FEASIBILITY STUDIES
- POPECASTING
MANAGEMENT METHODS
MULTIPURPOSE PROJECTS
DEED TO THE TOTAL PERT PROJECT CONTROL RECREATION REQUIREMENTS TEST PLANS TEST PROCEDURES TEST TECHNIQUES WATER POLICY -- ZONING PROJECTILE TRAJECTORIES BT TRAJECTORIES RT BALLISTIC TRAJECTORIES PROJECTILES 4 5 6
UF ARTILLERY SHELLS
SHELLS (ARTILLERY)
NT INCENDIARY PROJECTILES
MORTAR AMMUNITION
UNDERWATER PROJECTILES
RT AMMUNITION
AMMUNITION COMPONENTS
-- ARTILLERY
-- BALLISTICS -- ARTILLERY
-- BALLISTICS
-- BOMBS (ORDNANCE)
CARTRIDGES (EXPLOSIVES)
CONVENTIONAL WEAPONS
-- EXPLOSION EFFECTS
IMPACT CRATERS
-- INCENDIARY AMMUNITION
-- MILITARY OPERATIONS
MUNITION EFFECTIVENESS
-- MUNITIONS MUNITIONS
MUNITIONS
MUNITIONS INDUSTRY
MUNITIONS STORAGE -- NUCLEAR WEAPONS
-- ORDNANCE PYROTECHNICS SELF PROPELLED ARTILLERY SHAPED CHARGES SMALL ARMS -- WARHEADS -- WEAPON CARRIERS -- WEAPONS PROJECTION SLIDES 6
use SLIDES (PROJECTION) PROJECTIVE GEOMETRY 6
BT EUCLIDEAN GEOMETRY

GEOMETRY
RT-ANALYTIC GEOMETRY
PLANE GEOMETRY
SOLID GEOMETRY

PROPELLANTS 4 6
NT ROCKET PROPELLANTS
RT AMMUNITION COMPONENTS
BURNING RATE

PROPELLANTS (Con.) BURNING TIME
CARTRIDGES (EXPLOSIVES)
-- EXPLOSIVES
-- GUNS (ORDNANCE)
-- INCENDIARY AMMUNITION -- MUNITIONS MUNITIONS INDUSTRY
-- MUNITIONS STORAGE TORPEDOES PROPELLER METERS 1
BT MEASURING INSTRUMENTS
RT FLOW MEASUREMENT
VELOCITY METERS (FLUIDS)
WATER MEASUREMENT PROPELLER PUMPS 1
UF AXIAL FLOW PUMPS
BT PUMPS ROTARY PUMPS CENTRIFUGAL PUMPS LOW HEAD PROPELLERS PROPELLER TURBINES 1
BT HYDRAULIC TURBINES
RT AXIAL FLOW TURBINES
PROPELLERS REACTION TURBINES PROPELLERS 1
RT PROPELLER PUMPS
PROPELLER TURBINES PROPORTIONING (CONCRETE) 3

UF CONCRETE PROPORTIONING

MIX PROPORTIONING (CONCRETE)

MIXTURE PROPORTIONING

(CONCRETE)

TRIAL MIX PROPORTIONING

RT BATCHING (CONCRETE)

BLENDING

CHEENE COMMEND CEMENT CONTENT
CONCRETE MIXING
CONCRETE MIXTURES
CONCRETE STRENGTH WATER CEMENT RATIO PROPOSALS 6
RT BUDGETING
-- CONTRACTS PROPS use STRUTS PROPULSION RT ENGINES PROTECTION ROTECTION 1 4 RT--COUNTERMEASURES FLOOD PROTECTION SAFETY SAFETY DEVICES WARNING SYSTEMS PROTECTIVE COATINGS 1 2
UF CONCRETE PROTECTION
BT COATINGS 12356 T COATINGS
T ABRASION RESISTANT COATINGS
-FIRE RESISTANT COATINGS
PROTECTIVE COATINGS (LANDING MATS)
PROTECTIVE COATINGS (MEMBRANES)
WATERPROOF COATINGS
T ACID RESISTANCE
ASPHALT PRIMER
-ASPHALT PRIMER - ASPHALTS CONCRETE FINISHES (HARDENED CONCRETE) -- CORROSION CORROSION INHIBITORS
-- CORROSION PREVENTION
-- DETERIORATION

-- DURABILITY EPOXY COATINGS

PROTECTIVE STRUCTURES (Con.)
NUCLEAR WEAPONS EFFECTS
PROTECTIVE CONSTRUCTION
RADIOLOGICAL DEFENSE PROTECTIVE COATINGS (Con.) -- FINISHES FURAN RESINS LACQUERS LININGS SAFETY SAFETY SHELTER ENTRANCES SHELTER OCCUPANCY SHOCK ISOLATION LINSEED OIL LIQUID ASPHALT ORGANIC COATINGS OXIDATION -- UNDERGROUND STRUCTURES -- PAINTS
PERMISSIBLE VELOCITY
PROTECTIVE COVERINGS PROTEINS 7 NOTE: Nitrogenous organic com-pound of large molecular size SEALERS SPRAYED COATINGS VAPOR BARRIERS and complex structure, formed from amino acids
RT ENZYMES
-- METABOLISM VARNISHES PROTECTIVE COATINGS (LANDING MATS) 2 5 -- NUTRIENTS MATS) 2 5 BT COATINGS PROTEROZOIC PERIOD 2 BT PRECAMBRIAN ERA PROTECTIVE COATINGS RT ACID RESISTANCE ASPHALT PRIMER OTONS 2 3 4 6 7
UF HYDROGEN IONS
RT ALPHA PARTICLES
ATOMS PROTONS -- ASPHALTS CORROSION -- DETERICRATION EPOXY COATINGS CATIONS -- LANDING MATS LIQUID ASPHALT ELECTRONS - ISOTOPES NEUTRONS PROTECTIVE COATINGS (MEMBRANES) BT COATINGS PROTECTIVE COATINGS PROTOTYPE CONFIRMATION RT--HYDRAULIC MODELS RT ACID RESISTANCE
ASPHALT PRIMER
-- ASPHALTS
CORROSION PROTOTYPE TESTS 1 2 UF FULL SCALE TESTS RT ACCEPTANCE TESTS 1 2 4 5 6 -- DETERIORATION
EPOXY COATINGS
LIQUID ASPHALT
-- MEMBRANES -- FIELD TESTS
-- LOAD TESTS (FOUNDATIONS)
-- MODEL TESTS
-- PLATE BEARING TESTS POLYPROPYLENE ASPHALT MEMBRANES PROTOTYPES -- SIMILITUDE PROTECTIVE CONSTRUCTION 2 3 4
BT CONSTRUCTION
RT CIVIL DEFENSE
-- EARTH HANDLING EQUIPMENT TEST PROCEDURES
THEORETICAL ANALYSIS -- VEHICLE TESTS -- EARTH HANDLING EQUIPMENT
EARTHWORK
-- EXPLOSION EFFECTS
MOUNDED STRUCTURES
-- NUCLEAR EXPLOSION EFFECTS
NUCLEAR RADIATION
NUCLEAR WARFARE DEFENSE
NUCLEAR WEAPONS EFFECTS
-- PROTECTIVE STRUCTURES
RESIDENTIAL BUILDINGS
REVETMENT (BALLISTIC PROTECTION)
SAFETY PROTOTYPES 1 2
RT--HYDRAULIC MODELS
HYDRAULIC SIMILITUDE -- MODELS PROTOTYPE TESTS PROTOZOA 7
NOTE: Member of the phylum of animals whose chief characteristics are that the body consists of only one cell and that they reproduce by fission
BT INVERTEBRATES
MICROGRANISMS SAFETY SHELTER CONSTRUCTION UNDERGROUND CONDUITS
UNDERGROUND CONSTRUCTION
UNDERGROUND STRUCTURE CON-NT DINOFLAGELLATES
RT--AQUATIC ANIMALS
--AQUATIC MICROORGANISMS
--PARASITES STRUCTION PROTECTIVE COVERINGS 1 3 6
RT ARMORING (STREAMBEDS)
CURING FILMS AND SHEETS
PROTECTIVE COATINGS
VEGETATIVE COVER -- PLANKTON
-- SOIL MICROORGANISMS WATER POLLUTION SOURCES PROVING FRAMES ROVING FRAMES 2

NOTE: Instruments for measuring applied loads or forces

UF LOAD FRAMES

BT MEASURING INSTRUMENTS

WEIGHT AND FORCE MEASURING

INSTRUMENTS

RT CALIBRATING PROTECTIVE STRUCTURES 2 3 4
UF SHOCK RESISTANT STRUCTURES
NT AIR RAID SHELTERS
AIRCRAFT SHELTERS
FALLOUT SHELTERS
-- SHELTERS RT BLAST CLCSURE VALVES
BLAST DOORS
BLAST RESISTANT STRUCTURES -- CONSOLIDOMETERS PROVING RINGS BLAST RESISTANT STRUCTURE CONCRETE SHIELDING
- FORTIFICATIONS
HARDENED INSTALLATIONS
MISSILE SILOS
MOUNDED STRUCTURES
NATIONAL DEFENSE
NUCLEAR RADIATION
NUCLEAR WARFARE DEFENSE -- SHEAR EQUIPMENT PROVING GROUNDS 4 RT MISSILE RANGES PROVING RINGS OTE: Instruments for measuring applied loads or forces

.

PROVING RINGS
UF LOAD RINGS
BT MEASURING PUBLIC WORKS (Con.)
HYDROELECTRIC PLANTS (Con.) UF LOAD RINGS
BT MEASURING INSTRUMENTS
WEIGHT AND FORCE MEASURING
INSTRUMENTS
RT CALIBRATING
--CONSOLIDOMETERS
PROVING FRAMES
--SHEAR EQUIPMENT -- MAINTENANCE
PUBLIC UTILITIES
RIGHT- OF- WAY
-- SEWERS SPECIFICATIONS
URBAN PLANNING
WATER SUPPLY SYSTEMS PSYCHROMETERS 2 3
NOTE: Instruments for measuring relative humidity by indicating the lowering in temperature of a wet-bulb thermometer compared to a dry-bulb thermometer BT HYGROMETERS MEASURING INSTRUMENTS MOISTURE METERS
RT-- CHEMICAL ANALYSIS HUMIDITY JDDLING 1 2
BT DENSIFICATION (SOILS)
RT--COMPACTION (SOILS)
HYDRAULIC FILL DAMS
HYDRAULIC FILLS
MECHANICAL SOIL STABILIZATION
OPTIMUM WATER CONTENT
PONDING PUDDLING PULL-OUT RESISTANCES AND TESTS 2
RT-- ANCHORS (STRUCTURES)
BRIDGE ANCHORAGES
NEGATIVE SKIN FRICTION
PILE EXTRACTION
PILE LOAD TESTS (UPLIFT PILES)
UPLIFT PILES HUMIDITY
-- TEMPERATURE MEASURING INSTRU-MENTS THERMOMETERS NOTE: Structures for use of the public BT BUILDINGS PUBLIC BUILDINGS PULL (VEHICLES) BUILDINGS HOSPITALS PULSATING FLOW 1
BT FLOW
FLUID FLOW
RT NATURAL FREQUENCY HOTELS MOTELS OFFICE BUILDINGS
RELIGIOUS BUILDINGS
SCHOOL BUILDINGS
SHOPPING CENTERS
THEATERS
RT--COMMERCIAL BUILDINGS r NATURAL PREQUENCY
VIBRATION DAMPING
WATER HAMMER
WATER WAVE GENERATION
WATER WAVE SUPPRESSORS
--WATER WAVES PUBLIC HEALTH ENVIRONMENTAL ENGINEERING EPIDEMIOLOGY PULSE CODE MODULATION 6 PULSE ECHO TECHNIQUES 1 2 3 use ULTRASONIC TESTS EPIZOOTIOLOGY FLUORIDATION INSECT CONTROL MORBIDITY PULSE PROPAGATION TESTS 2 4
BT ROCK TESTS (LABORATORY)
RT--DYNAMIC LOADS
DYNAMIC MODULUS OF ELASTICITY
RESONANCE TESTS PESTICIDE RESIDUES
PESTICIDE TOXICITY
POLLUTION POTABLE WATER SANITARY ENGINEERING PULSE TECHNIQUES (ELECTRONICS)
RT--RADIO WAVES
--TELECOMMUNICATION SANITATION
SOIL CONTAMINATION
URBAN AREAS
URBAN PLANNING PULSE VELOCITY TESTS 3
UF WAVE VELOCITY TESTS
BT CONCRETE TESTS URBANIZATION WATER PURIFICATION JBLIC LAND 1 6 7
NOTE: Portion of the public do-main to which title is still vested in the Federal Govern-PULVERIZING PUBLIC LAND LVERIZING 3 4 7
use GRINDING (COMMINUTION) JMICE 2 3 NOTE: Cellular volcanic froth of glassy texture BT EXTRUSIVE ROCKS ment BT LAND NT NATIONAL PARKS RT-- RECREATION
RECREATIONAL FACILITIES IGNEOUS ROCKS RT-- AGGREGATES
-- LIGHTWEIGHT AGGREGATES PUBLIC RELATIONS 7
RT ENVIRONMENTAL IMPACT STATEMENTS
-- MANAGEMENT OBSIDIAN PERLITE UBLIC UTILITIES 1 2 4 6
RT CIVIL DEFENSE

--ELECTRIC POWER
INDUSTRIAL WATER
PUBLIC WORKS
REGIONAL PLANNING
RIVER BASIN DEVELOPMENT
SANITARY ENGINEERING
URBAN AREAS
URBAN PLANNING
--WATER SUPPLY RHYOLITE VOLCANIC ASH -- VOLCANIC SOILS PUBLIC UTILITIES PUMP DRAINAGE BT DRAINAGE
RT DRAINAGE WELLS
GRAVITY DRAINAGE -- SUBSURFACE DRAINAGE PUMP INTAKES BT INTAKES

RT-- DEBRIS BARRIERS

-- INTAKE STRUCTURES PUBLIC WORKS 1 2 3 6 7
RT CONSTRUCTION
-- CONTRACTS PERMISSIBLE VELOCITY TRASHRACKS

PUMPING OF PAVEMENTS 2 3 5

UF PAVEMENT PUMPING

RT--FROST ACTION
PAVEMENT CRACKING
PAVEMENT DEFLECTION
PAVEMENT DEFORMATION
PAVEMENT DETERIORATION
--PAVEMENT FAILURES
--PAVEMENT FAILURES
--PAVEMENT PERFORMANCE AND
EVALUATION
--PAVEMENTS PUMP TESTS 1 6
NOTE: Testing of pumps
RT--PUMPS -- QUALITY CONTROL PUMP TURBINES 1
BT HYDRAULIC TURBINES
REVERSIBLE TURBINES
TURBINES TURBINES
NT DERIAZ PUMP TURBINES
RT-- FRANCIS TURBINES
HYDROELECTRIC PLANTS
PUMPED STORAGE
-- PUMPING
PUMPING STATIONS
-- REACTION TURBINES
-- ROTARY PUMPS
TURBINE PARTS -- PAVEMENTS ROAD MAINTENANCE PUMPING PLANTS 1 2 use PUMPING STATIONS PUMPING STATIONS 1 2 7
UF PUMPING PLANTS
RT APPROACH CHANNELS
AQUEDUCTS PUMPED CONCRETE 2 3

NOTE: Concrete which is transported through hose or pipe by means of a pump
BT CONCRETES
RT--CONCRETE PLACING
CONCRETE PUMPS
--GROUTING PUMPS -- DIVERSION WORKS -- DRAINAGE -- DHAINAGE
ENTHANCES (FLUID FLOW)
FOREBAY DAMS
-- HYDRAULICS
MIXED FLOW PUMPS -- PIPELINES
-- PUMP TURBINES
-- PUMPING
-- PUMPS GROUTING PUMPS MORTARS (MATERIAL) PLASTER
PUMPING AIDS
-- PUMPS
SHOTCRETE SEWERAGE -- SEWERS -- WATER STORAGE STUCCO PUMPING TESTS (WELLS) 1 2
UF FIELD PUMPING TESTS
WELL PUMPING TESTS
BT FIELD PERMEABILITY TESTS
FIELD TESTS
PERMEABILITY TESTS UNDERWATER CONSTRUCTION PUMPED STORAGE BT WATER STORAGE
RT-ELECTRIC POWER
FLOW AUGMENTATION
FOREBAYS RT- - AQUIFERS DRAWDOWN FUNEDAYS
HYDROELECTRIC PLANTS
HYDROELECTRIC POWER
-- HYDROELECTRIC POWER GENERATION
-- PUMP TURBINES
-- PUMP TURBINES FLUORESCEIN OBSERVATION WELLS OPEN END TESTS
-- PERMEABILITY -- PUMPING PRESSURE TESTS (DRILL HOLES)
-- PUMPS -- PUMPS RESERVOIR CAPACITY RESERVOIR OPERATION THIEM TEST
WELL THEORY
WELL YIELD
-- WELLS -- RESERVOIRS -- REVERSIBLE TURBINES WATER SUPPLY WATER SUPPLY SYSTEMS PUMPS MPS 1 2 3
NT CENTRIFUGAL PUMPS
CONCRETE PUMPS
DEEP WELL PUMPS
EJECTOR PUMPS
FEED PUMPS
GEAR PUMPS MPING 1 2
NT DEEP-WELL PUMPING
RT AQUIFER TESTS
DEWATERING
--DRAINAGE PUMPING DRAINAGE SYSTEMS
-- DRAWDOWN GROUTING PUMPS HYDRAULIC RAMS DRAWDOWN CURVES HYDRAULIC RAMS
JET PUMPS
MIXED FLOW PUMPS
PROFELLER PUMPS
RECIPROCATING PUMPS
-ROTARY PUMPS
SAND PUMPS
STEAM PUMPS
VACUUM PUMPS
T AXIAL FLOW
-- COMPRESSORS -- FLOW
GROUNDWATER DEPLETION
HYDRAULIC FRACTURING OF ROCK
-- HYDROSTATIC PRESSURE
INDUCED INFILTRATION
-- PUMP TURBINES
-- PUMPED STORAGE
-- PUMPING STATIONS
-- PUMPING STATIONS -- PUMPS SALT WATER INTRUSION SPECIFIC CAPACITY -- CONSTRUCTION EQUIPMENT -- CONTROL EQUIPMENT DEWATERING -- DRAINAGE SUBSIDENCE SUMPS DRAINAGE ENGINEERING HYDRAULIC CONVEYORS HYDRAULIC MACHINERY IMPELLERS WATER CIRCULATION -- WELLS PUMPING AIDS 3
NOTE: Material used to facilitate pumping fresh concrete
RT-ADMIXTURES
--CONCRETE ADMIXTURES
PUMPED CONCRETE INJECTORS IRRIGATION CANALS IRRIGATION DESIGN IRRIGATION ENGINEERING

S (Con.)
JETS (FLUIDS)
LOW HEAD
-- MATERIALS HANDLING EQUIPMENT PUMPS --PIFELINES
PISTONS
--PNEUMATIC EQUIPMENT
PUMP INTAKES
PUMP TESTS
PUMPED CONCRETE
PUMPED STORAGE PUMPING STATIONS
PUMPING TESTS (WELLS) SIPHONS SPRINKLER IRRIGATION TURBOMACHINERY -- VANES
WASH BORING
WATER DISTRIBUTION -- WELLS PUNCHED CARDS BT COMPUTER STORAGE DEVICES COMPUTER SYSTEMS HARDWARE RT DATA STORAGE PUNCHED TAPES 6
BT COMPUTER STORAGE DEVICES
TAPES
RT-DATA PROCESSING
DATA STORAGE
DATA TRANSMISSION MAGNETIC TAPES PURCHASING 6
BT PROCUREMENT
RT BIDS
PRODUCTION CONTROL
SCHEDULING PURIFICATION 7
RT--ABATEMENT
AERATION
CONTAMINANTS -- DECONTAMINATION DESALTING DISTILLATION ELUTRIATION

ODOR CONTROL POLLUTION ABATEMENT

-- SEPARATION SUBLIMATION

PURLINS use JOISTS PYCNOMETERS 2 use DENSITOMETERS PYRITE 2 3
BT HEAVY MINERALS
IRON CRES
METALLIC MINERALS
MINERALS
SULFIDES
BT JOON IRON SULFUR RT PYROMETERS YROMETERS 6
BT MEASURING INSTRUMENTS
RT CALORIMETERS
HEAT MEASUREMENT
- TEMPERATURE
TEMPERATURE CONTROL
TEMPERATURE MEASUREMENT
THERMOCOUPLES
-- THERMOMETERS PYROMETRY 6
use TEMPERATURE MEASUREMENT PYROTECHNICS 4
RT-BOMBS (ORDNANCE)
--EXPLOSIVES
GRENADES -- INCENDIARY AMMUNITION
-- MUNITIONS MUNITIONS INDUSTRY
-- MUNITIONS STORAGE -- PROJECTILES ROCKETS TRACERS (ORDNANCE) -- WARHEADS PYROXENES BT MINERALS SILICATE MINERALS PYRROPHYTA

BT ALGAE
PLANTS (BOTANY)
NT DINOFLAGELLATES

QUALITY CONTROL (Con.) Q TESTS (SOILS) 2
UF QUICK TESTS
UNCONSOLIDATED UNDFAINED
SHEAF TESTS QUALITY
PADIATION TESTS
FEGFESSION ANALYSIS
RELIABILITY
-SAMPLING SHEAR TESTS
SOIL TESTS (LABORATORY)
UNDRAINED SHEAR TESTS
NEGATIVE PORE PRESSURE SCHEDULING
-SPECIFICATIONS
STANDAFD DEVIATION
STANDAFDIZATION PLANE STRAIN SHEAR TESTS (SOILS) STANDAFDIZATION
--STANDAFDS
--STATIC TESTS
--STATISTICAL ANALYSIS
STATISTICAL DISTRIBUTIONS
STATISTICAL EAMPLES
STATISTICAL TESTS
SUFFACE AND CONTROLS SAMPLING
TEST PROCEDURES
--TEST SPECIMENS
TOLEFANCES (MECHANICS)
VALUE ENGINEEFING
VARIABILITY (SOILS)
STRESS-STRAIN CURVES
TRIAXIAL SHEAR TESTS
(SOILS)
UNCONFINED COMPRESSION TESTS (SOILS) Q WAVES use LOVE WAVES QUADRIPODS NOTE: Patented precast concrete armor units
BT ARMOR UNITS VARIABILITY -- WASTE WATER TREATMENT -- WEAR TESTS X-RAY INSPECTION QUAKING QUANTITATIVE ANALYSIS 3 6 7 BT CHEMICAL ANALYSIS NT POLAFOGRAPHIC ANALYSIS RT COLORIMETRIC ANALYSIS use QUICK CONDITION QUALITATIVE ANALYSIS RT WATER ANALYSIS FLAME PHOTOMETRY MICROANALYSIS QUALITY SPECTROCHEMICAL ANALYSIS
--SPECTROSCOPIC ANALYSIS RT--DURABILITY --EVALUATION --QUALITY CONTFOL RELIABILITY QUANTUM MECHANICS -- SPECIFICATIONS STABILITY use QUANTUM THEORY QUANTUM THEORY 4 6
UF QUANTUM MECHANICS
FT NUCLEAF PHYSICS
PEFTUFBATION THEORY TY CONTROL 1234567 STATISTICAL QUALITY CONTROL WATER QUALITY CONTROL ACCEPTABILITY ACCEPTANCE TESTS QUALITY CONTROL -- FADTATION -- WAVE EQUATIONS ACCEPTANCE TESTS
BENKELMAN BEAM
--CHEMICAL TESTS
COEFFICIENT OF VARIATION
COMPACTION CONTROL
COMPACTION CONTROL
COMPACTION TEST FILLS
--COMPRESSIVE STRENGTH
(COMPRESSIVE STRENGTH
(COMPRESSIVE STRENGTH QUARRIES 2 3 4
BT MINES (EXCAVATIONS)
OPEN PIT MINES AND MINING
BT GFAVEL PITS --PITS FOCK EXCAVATION (CONCRETE)
CONCRETE CYLINDERS JARRYING 1 2 3 4
BT EXCAVATION
MINING
OPEN PIT MINES AND MINING
SURFACE MINING QUARRYING --CONSTRUCTION
--CONSTRUCTION CONTROL
CONTROL CHARTS
CORRELATION RT-EXPLOSIVES
FOCK BLASTING
FOCK CRUSHEPS
FOCK EXCAVATION CORRELATION TECHNIQUES COST CONTFOL COST CONTFOL

-EVALUATION
FIELD CONTROL

-FIELD CONTROL

-FIELD LABORATORIES
-FIELD TESTS

-FFEQUENCY DISTRIBUTION
INDUSTRIAL ENGINEERING
INSPECTION
IFAST SQUARES METHOD ROCKFILL DAM CONSTRUCTION QUARRYSTONE NOTE: Natural armor unit for use in protective cover layer of rubble-mound structures exposed to storm-wave action BT AFMOR UNITS INSPECTION
LEAST SQUAFES METHOD
LOW TEMPERATURE TESTS
MARSHALL METHOD
MATERIALS CONTROL
MATERIALS ENGINEERING
--MECHANICAL PROPERTIES
--NONDESTRUCTIVE TESTS
--OPERATIONS RESEARCH
OPTIMIZATION
PERFORMANCE TESTS (CONCRETE)
PROBABILITY THEORY
PROCESS CONTROL
PRODUCTION CONTROL QUARTZ 2 3 BT MINERALS OXIDES SILICA MINERALS RT--AGGREGATES CHERT GLASS FABRICS GRANITE PRODUCTION CONTROL PUMP TESTS GRAYWACKE MYLONITE OPAT. PEGMATITES

PIEZOELECTRICITY QUARTZITE

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QUARTZ (Con.)
       --SANDS
SANDSTONES
       --SILICA
--SILICATE MINERALS
       SILICEOUS AGGREGATES
--SILICEOUS ROCKS
           TONALITE
QUARTZ DIORITE
    use TONALITE
   JARTZITE 2 3
BT ROCKS
RT--AGGREGATES
QUARTZITE
        -- METAMORPHIC ROCKS
           QUARTZ
SANDSTONES
        -- SEDIMENTARY ROCKS
QUATERNARY PERIOD 2
BT CENOZOIC ERA
NT PLEISTOCENE EPOCH
RECENT EPOCH
         CONTINENTAL GLACIATION
           WALLS 1 2 3
HARBOR STRUCTURES
MARINE STRUCTURES
RETAINING WALLS
QUAY WALLS
    WALLS
RT--BULKHEADS
           FENDER PILES MOORINGS
           RELIEVING PLATFORMS
SEA WALLS
        --SHEET PILES
SHEET PILING
           WHARVES
 QUAYS
    JAYS 1 2 3 4
use WHARVES
 QUER WAVES 2 4
QUEUEING THEORY
    UEUEING THEORY 6
RT--MATHEMATICAL MODELS
       -- OPERATIONS RESEARCH
           SCHEDULING
        --STATISTICAL ANALYSIS
--STOCHASTIC PROCESSES
        --WATER STORAGE
QUICK CLAYS 2
NOTE: Clays that experience
drastic reduction in strength
after remolding
UF EXTRASENSITIVE CLAYS
    BT CLAYS
COHESIVE SOILS
FIND GRAINED SOILS
         FIND GHAINED SOILS
COLLAPSIBLE SOILS
--FLOW SLIDES
LIQUEFACTION (SOILS)
MARINE CLAYS
MUD FLOWS
QUICK CONDITION
           QUICKSAND
           SENSITIVE CLAYS
       --SETTLEMENT
SUBSIDENCE
           THIXOTROPY
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QUICK CONDITION 2

NOTE: Condition in which water
is flowing upwards with suf-
fleient velocity to reduce
significantly the bearing capac-
ity of the soil through a de-
crease in intergranular pres-
sure

UF QUAKING
RT ARTESIAN PRESSURE
COLLAPSIBLE SOILS
LIQUEFACTION (SOILS)
QUICK CLAYS
QUICK CLAYS
QUICK CLAYS
QUICK SAND
SEEPAGE PRESSURE
--SPRINGS (WATER)

QUICK TESTS 2
use Q TESTS (SOILS)

QUICKLIME 2
use LIME

QUICKSAND 1 2
BT COARSE GRAINED SOILS
GRANULAR MATEF ALS
SANDS
RT ARTESIAN PRESSURE
COLLAPSIBLE SOILS
CRITICAL GRADIENTS
CRITICAL GRADIENTS
CRITICAL GRADIENTS
CRITICAL QUICK VOID RATIO
--GROUNDWATER
LIQUEFACTION (SOILS)
--MARSHES
QUICK CLAYS
QUICK CONDITION
SAND BOILS
SEEPAGE PRESSURE
--SPRINGS (WATER)
SUBSIDENCE
--SWAMPS
```

R TESTS (SOILS) 2 UF CONSOLIDATED UNDRAINED SHEAR TESTS
BT SHEAR TESTS
SOIL TESTS (LABORATORY)
UNDRAINED SHEAR TESTS
RT PLANE STRAIN SHEAR TESTS
(SOILS) STRESS-STRAIN CURVES
TRIAXIAL SHEAR TESTS (SOILS)
--VANE SHEAR TESTS R WAVES WAVES 2 3 4 use RAYLEIGH WAVES 1 2 4 5 6 NT METEOROLOGICAL RADAR RT AIRPORTS ELECTRICAL ENGINEERING ELECTRICAL ENGINEERING
-NAVIGATION AIDS
PAVEMENT THICKNESS MEASUREMENT
RADAR ANTENNAS
RADAR SEQUIPMENT
RADAR SIGNALS
RADAR SITES
RADAR TOMERS
RECONNAISSANCE AIRCRAFT
REMOTE SENSING REMOTE SENSING --SURVEYING TELECOMMUNICATION WAVE REFLECTION WEATHER FORECASTING RADAR ALTIMETERS use RADIO ALTIMETERS RADAR ANTENNAS 2 4 5 BT ANTENNAS
RT--RADAR
RADAR EQUIPMENT
RADAR TOWERS RADAR BEACONS 1 BT NAVIGATION AIDS RADAR DETECTION
BT DETECTION
RT MISSILE DE MISSILE DETECTION NUCLEAR EXPLOSION DETECTION ORDNANCE DETECTORS RADAR EQUIPMENT BT ELECTROMAGNETIC SENSORS
REMOTE SENSING INSTRUMENTS AIRBORNE EQUIPMENT RADAR ANTENNAS RADAR SIGNALS RADAR SIGNALS 5
BT ELECTROMAGNETIC RADIATION WAVES MICROWAVES RADAR RADAR EQUIPMENT --RADIO WAVES RADAR SITES 2 4 RT--RADAR RADAR TOWERS 2 4 BT TOWERS RT ANTENNA TOWERS RADAR ANTENNAS RADIAL DISPLACEMENT BT DISPLACEMENT RT RADIAL STRESS

RADIAL GATES 1
BT HYDRAULIC GATES
RT FLOODGATES
GATE HOISTS
SECTOR GATES
SPILLWAY GATES
TAINTER GATES

RADIAL JACKING TESTS 2
BT FIELD TESTS
JACKING TESTS
RT PRESSURE CHAMBER TESTS
--ROCK DEFORMATION
--ROCK STRENGTH STRESS-STRAIN RELATIONS (ROCK) RADIAL STRESS 2 3 4
BT STRESSES
RT CIRCUMFERENTIAL STRESS COMPRESSIVE STRESS RADIAL DISPLACEMENT TENSILE STRESS RADIAL TIRES 5 use TIRES RADIANT ENERGY 3 4 6 7 use RADIATION RADIANT HEATING 3
BT HEATING
NT INFRARED HEATING RADIATION NOTE: Emission and transmission NOTE: Emission and transmission of energy from a source, e.g., solar radiation by electromagnetic waves such as light, x-rays, gamma rays
UF RADIANT ENERGY
NT BACKGROUND RADIATION
ELECTROMAGNETIC RADIATION
NUCLEAR RADIATION
--SOLAR RADIATION
SPACE RADIATION
TERRESTRIAL RADIATION TERRESTRIAL RADIATION THERMAL RADIATION BACKSCATTERING HEAT HEAT HEAT HEAT TRANSMISSION IRRADIATION
--MEASURING INSTRUMENTS
METEOROLOGY MICROWAVES
--NUCLEAR EXPLOSION EFFECTS
QUANTUM THEORY
--RADIATION EFFECTS
RADIATION HAZARDS
RADIATION INJURIES
--RADIATION MEASURING
INSTRUMENTS
RADIATION PROTECTION
RADIOACTIVE FALLOUT
RADIOACTIVE ISOTOPES
RADIOLOGY
TRANSIENT RADIATION EFFECT MICROWAVES TRANSIENT RADIATION EFFECTS RADIATION BIOLOGY use RADIOBIOLOGY RADIATION BURNS 4 7
BT RADIATION EFFECTS
RADIATION INJURIES RADIATION COUNTERS MEASURING INSTRUMENTS RADIATION MEASURING INSTRUMENTS
NT GEIGER COUNTERS
RT IONIZATION CHAMBERS RADIATION DAMAGE BT DAMAGE 2 3 4 7

DAMAGE
RADIATION EFFECTS
-NUCLEAR EXPLOSION EFFECTS
NUCLEAR WEAPONS EFFECTS
RADIATION PROTECTION
RADIATION SHIELDING

RADIATION DECONTAMINATION 6 7
UF NUCLEAR DECONTAMINATION
BT DECONTAMINATION

RADIATION DETECTORS 4 7
use RADIATION MEASURING
INSTRUMENTS

RADIATION DOSAGE 7
UF RADIOLOGICAL DOSAGE
RT DOSIMETRY
IRRADIATION
RADIATION TOLERANCE

RADIATION DOSIMETRY 7
use DOSIMETRY

RADIATION EFFECTS 2 3 4 7

NT RADIATION BURNS
RADIATION DAMAGE
--RADIATION INJURIES
TRANSIENT RADIATION EFFECTS

--DEGRADATION
DOSIMETRY
GAMMA RAYS
HEAVYWEIGHT CONCRETES
IRRADIATION

NEUTRONS
--NUCLEAR EXPLOSION EFFECTS
NUCLEAR RADIATION
NUCLEAR WEAPONS EFFECTS
RADIOACTIVE CONTAMINATION
RADIOACTIVE FALLOUT
RADIOACTIVITY
RADIATION TOLERANCE
RADIOBIOLOGY
RADIOECOLOGY
RADIOLOGICAL DEFENSE
RADIOLOGICAL WARFARE

RADIATION EXPOSURE 3 7
use IRRADIATION

RADIATION HAZARDS 4 7
NOTE: Danger to living things
resulting from the presence
of radiation; generally refers
to the danger to health from
exposure to radiation
BT HAZARDS

exposure to radiation
T HAZARDS
T GEIGER COUNTERS
--MEASURING INSTRUMENTS
--NUCLEAR EXPLOSION EFFECTS
NUCLEAR RADIATION
NUCLEAR WEAPONS EFFECTS

-RADIATION EFFECTS
RADIATION INJURIES
-RADIATION MEASURING
INSTRUMENTS

RADIATION SHIELDING
RADIOACTIVE CONTAMINATION
RADIOACTIVE FALLOUT
RADIOACTIVE WASTES
RADIOACTIVITY
RADIOBIOLOGY
RADIOECOLOGY
RADIOLOGICAL DEFENSE
RADIOLOGICAL WAFFARE
SA FETY
SA FETY ENGINEERING

PADIATION INJURIES 4 7
BT INJURIES
RADIATION EFFECTS
NT RADIATION BURNS
ET BURNS (INJURIES)
--NUCLEAR EXPLOSION EFFECTS
NUCLEAR RADIATION
NUCLEAR WEAPONS EFFECTS
--RADIATION
RADIATION HAZARDS
RADIATION PROTECTION
RADIATION TOLERANCE

RADIATION INJURIES (Con.)
RADIOACTIVE CONTAMINATION
RADIOACTIVE FALLOUT
RADIOLOGICAL DEFENSE
RADIOLOGICAL WARFARE
SAFETY

FADIATION MEASURING
INSTRUMENTS 3 4 5 6 7
UF RADIATION DETECTORS
BT MEASURING INSTRUMENTS
NUCLEAR EQUIPMENT
NT FOIL DOSIMETERS
GAMMA COUNTERS
GEIGER COUNTERS
IONIZATION CHAMBERS
NUCLEAR EMULSION COUNTERS
PHOTOMETERS

--RADIATION COUNTERS
RADIOMETERS
SCINTILLATION COUNTERS
SPECTROPHOTOMETERS

RT--DETECTORS
DOSIMETRY
METEOROLOGICAL INSTRUMENTS
MONITORS
--RADIATION
HADIATION HAZARDS
RADIOACTIVE CONTAMINATION
RADIOBIOLOGY
RADIOECOLOGY
RADIOLOGICAL DEFENSE

RADIATION PROTECTION 3 4 7
RT FALLOUT SHELTERS
--NUCLEAR EXPLOSION EFFECTS
NUCLEAR RADIATION
NUCLEAR WEAPONS EFFECTS

SAFETY DEVICES SPECTROMETERS

-RADIATION DAMAGE
-RADIATION DAMAGE
-RADIATION EFFECTS
FADIATION INJURIES
RADIATION SHIELDING
RADIOACTIVE CONTAMINATION
PADIOACTIVE FALLOUT
FADIOLOGICAL DEFENSE
-SHELTERS
-UNDERGROUND CONSTRUCTION

FADIATION SHIELDING 3 4

UF BIOLOGICAL SHIELDING
NUCLEAR SHIELDING
BT SHIELDING
RT ABSORBERS (MATERIALS)
CONCRETE SHIELDING
HEAVYWEIGHT CONCRETES
NUCLEAR REACTORS
RADIATION DAMAGE
RADIATION HAZARDS
RADIATION PROTECTION
RADIATION SHIELDING
MATERIALS
RADIOLOGICAL DEFENSE

RADIATION SHIELDING
MATERIALS 3 4 7
UP REACTOR SHIELDING MATERIALS
RT CONCRETE SHIELDING
RADIATION SHIELDING

RADIATION TESTS 3 4
RT BEND TESTS
--CHEMICAL TESTS
--COMPRESSION TESTS
--CREEP TESTS
FATIGUE TESTS
HARDNESS TESTS
HIGH TEMPERATURE TESTS
--IMPACT TESTS
LOW TEMPERATURE TESTS
--NONDESTRUCTIVE TESTS
PLASTICITY TESTS
--QUALITY CONTROL
--RADIOGRAPHY
--SHEAF TESTS

RADIATION TESTS (Con.) --STATIC TESTS
STRESS RELAXATION TESTS --TENSION TESTS
--WEAR TESTS
X RAY ANALYSIS RADIATION TOLERANCE 4 7
BT TOLERANCES (PHYSIOLOGY)
RT IRRADIATION
TADIATION DOSAGE
--RADIATION EFFECTS -- RADIATION INJURIES use RADIO COMMUNICATION RADIO ALTIMETERS UF RADAR ALTIMETERS
BT AERONAUTICAL INSTRUMENTS AND EQUIPMENT MEASURING INSTRUMENTS RADIO ASTRONOMY ASTRONOMY RADIO TELESCOPES RADIO COMMUNICATION UF BT RADIO TELECOMMUNICATION RADIO TRANSMISSION TELEMETRY TELEVISION RADIO DIRECTION FINDERS BT NAVIGATION AIDS RADIO FREQUENCIES BT FREQUENCY RT--RADIO WAVES RADIO TELESCOPES BT TELESCOPES RT RADIO ASTRONOMY RADIO TRANSMISSION 6
BT ELECTROMAGNETIC WAVE
TRANSMISSION WAVE PROPAGATION
RADIO COMMUNICATION
SCATTER PROPAGATION
TELEVISION TRANSMISSION RADIO WAVES 5 6
BT ELECTROMAGNETIC RADIATION WAVES MICROWAVES MICROWAVES
PULSE TECHNIQUES
(ELECTRONICS)
RADAR SIGNALS
RADIO FREQUENCIES
SCATTER PROPAGATION
--SOLAR RADIATION RADIOACTIVATION ANALYSIS 3 6
UF ACTIVATION ANALYSIS
BT CHEMICAL ANALYSIS
CHEMICAL TESTS
NT BETA ACTIVATION ANALYSIS
GAMMA ACTIVATION ANALYSIS
NEUTRON ACTIVATION ANALYSIS
RT RADIOCHEMISTRY RADIOACTIVE CONTAMINATION 2 3 4 7 BT CONTAMINATION RT--DAMAGE DISASTERS FALLOUT SHELTERS FALLOUT SHELTERS
--MEASURING INSTRUMENTS
NUCLEAR ENGINEERING
--NUCLEAR EXPLOSION EFFECTS
NUCLEAR RADIATION
NUCLEAR WEAPONS EFFECTS
--RADIATION EFFECTS
RADIATION HAZARDS

RADIOACTIVE CONTAMINATION (Con.)
RADIATION INJURIES
--RADIATION MEASURING
INSTRUMENTS RADIATION PROTECTION
RADIOACTIVE MATERIALS
RADIOACTIVE WASTES
RADIOACTIVE WASTES
RADIOACTIVITY RADIOECOLOGY RADIOLOGICAL DEFENSE RADIOLOGICAL WARFARE SAFETY ENGINEERING RADIOACTIVE DECAY 2
UF RADIOACTIVE DISINTEGRATION
RT ALPHA RAYS BETA RAYS DECOMPOSITION GAMMA RAYS
--NUCLEAR RADIATION
--RADIOACTIVE ISOTOPES
RADIOACTIVITY RADIOACTIVE DISINTEGRATION use RADIOACTIVE DECAY RADIOACTIVE FALLOUT 2 3 4 7
UF FALLOUT (RADIOACTIVE)
RT CIVIL DEFENSE
FALLOUT SHELTERS
NUCLEAR DEBRIS
--NUCLEAR EXPLOSION EFFECTS
--NUCLEAR EXPLOSION
NUCLEAR WEAPONS EFFECTS
--RADIATION
NUCLEAR WEAPONS EFFECTS NUCLEAR WEAPONS EFFECTS
-RADIATION EFFECTS
RADIATION HAZARDS
RADIATION HAZARDS
RADIATION INJURIES
RADIATION PROTECTION
RADIOACTIVE CONTAMINATION
RADIOACTIVITY RADIOACTIVITY RADIOLOGICAL DEFENSE RADIOLOGICAL WARFARE RESIDENTIAL BUILDINGS -- SHELTERS RADIOACTIVE ISOTOPES 1 2 4 7
NOTE: Isotopic form of an element
that exhibits radioactivity
UF RADIOISOTOPES RADIONUCLIDES ISOTOPES CARBON-14 PLUTONIUM ALPHA PARTICLES
BACKGROUND RADIATION
BETA PARTICLES
--CARBON HALF-LIFE GAMMA RAYS MARKING TECHNIQUES NUCLEAR ENGINEERING --NUCLEAR RADIATION -- RADIATION RADIOACTIVE DECAY
RADIOACTIVE MATERIALS
RADIOACTIVE TRACERS
RADIOACTIVE WASTES RADIOACTIVITY RADIOBIOLOGY RADIOCARBON DATING RADIOECOLOGY RADIOLOGY TAGGING -- TRACERS URANIUM ZINC RADIOACTIVE LOGGING 2
use DENSILOGS
NUCLEAR LOGGING
3-D LOGGING

RADIOACTIVE MATERIALS
RT NUCLEAR FISSION
NUCLEAR FUSION

3 4 7

RADIOACTIVE MATERIALS (Con.)

NUCLEAR PHYSICS

NUCLEAR RADIATION
RADIOACTIVE CONTAMINATION
--RADIOACTIVE ISOTOPES
RADIOACTIVE WASTES
RADIOACTIVE WASTES
RADIOACTIVE MINERALS 2 3
NOTE: Minerals which contain
the heavier elements and emit
emanations such as gamma rays
BT MINERALS
NT URANINITE
RT NUCLEAR PHYSICS
--NUCLEAR RADIATION
RADIOACTIVITY
RADIOACTIVITY
RADIOACTIVITY
RADIOACTIVITY
RADIOACTIVE TRACERS 1 2 3
NOTE: Small quantity of radioactive preparation added to
corresponding non-active
material to label it so that
its movements can be followed
by tracing the activity
BT TRACERS
RT--RADIOACTIVE ISOTOPES
RADIOACTIVE WASTES
RT-RADIOACTIVE WASTES
ST UF NUCLEAR WASTES
BT WASTES
RT CHEMICAL WASTES
CONTAMINANTS
--HAZARDOUS MATERIALS
--INDUSTRIAL WASTES
--POLLUTION
RADIOACTIVE CONTAMINATION
--RADIOACTIVE MATERIALS
RADIOACTIVE ISOTOPES
RADIOACTIVE CONTAMINATION
--RADIOACTIVE CONTAMINATION
--RADIOACTIVE MATERIALS
RADIOACTIVE MATERIALS
RA

RADIOACTIVITY 1 2 3 4 7
RT ALPHA PARTICLES
ALPHA RAYS
BETA PARTICLES
BETA PARTICLES
BETA RAYS
CARBON-14
GAMMA RAYS
NEUTHONS
NUCLEAR ENGINEERING
--NUCLEAR EXPLOSION EFFECTS
NUCLEAR EXPLOSION EFFECTS
NUCLEAR HETHODS
MUCLEAR HETHODS
MUCLEAR HETHODS
MUCLEAR HETHODS
MUCLEAR HEADIATION
NUCLEAR WEAPONS EFFECTS
--RADIATION EFFECTS
RADIATION HAZARDS
RADIOACTIVE CONTAMINATION
RADIOACTIVE DECAY
RADIOACTIVE ISOTOPES
RADIOACTIVE MATERIALS
--RADIOACTIVE TRACERS
RADIOACTIVE TRACERS
RADIOACTIVE WASTES
RADIOACTIVE MASTES
RADIOACTIVE MASTES
RADIOACTIVE MASTES
RADIOACTIVE
RADIOACTIVE MASTES
RADIOACTIVE
RADIOACTIVE MASTES
RADIOACTIVE
RADIOACT

RADIOBIOLOGY 7
NOTE: Study of the scientific principles, mechanisms, and effects of the interaction of ionizing radiation with living matter
UF RADIATION BIOLOGY
RT IRRADIATION
--MEASURING INSTRUMENTS
--RADIATION EFFECTS
RADIATION HAZARDS
--RADIATION MEASURING
INSTRUMENTS
--RADIOACTIVE ISOTOPES -- RADIOACTIVE ISOTOPES RADIOCARBON DATING
RT ARCHAEOLOGY
CARBON-14
GEOCHRONOLOGY GEOLOGIC TIME SCALE
--HISTORICAL GEOLOGY
--RADIOACTIVE ISOTOPES RADIOACTIVITY RADIOCHEMISTRY 6
RT NUCLEAR ENGINEERING
NUCLEAR PHYSICS
RADIOACTIVATION ANALYSIS RADIOCRYSTALLOGRAPHY 3
use CRYSTALLOGRAPHY RADIOECOLOGY DIOECOLOGY 7
NOTE: Study of the effects of radiation on species of plants and animals in natural communities BT ECOLOGY RT BACKGROUND RADIATION BIOLOGY
--MEASURING INSTRUMENTS
--RADIATION EFFECTS
RADIATION MEASURING INSTRUMENTS
RADIOACTIVE CONTAMINATION
--RADIOACTIVE ISOTOPES RADIOGRAPHS 1 2 3 6 7 use RADIOGRAPHY RADIOGRAPHY 1 2 3 6 7
NOTE: Photography with x rays
UF RADIOGRAPHS
NT MICRORADIOGRAPHY
NEUTRON RADIOGRAPHY
RT CRYSTALLOGRAPHY
FLUOROSCOPES
LEBADIATION IRRADIATION
METALLOGRAPHY
--NONDESTRUCTIVE TESTS
--PHOTOGRAPHY RADIATION TESTS RADIOLOGY ROCK ANALYSIS
X RAY ANALYSIS
X RAY DIFFRACTION
X RAY FLUORESCENCE
X RAY SPECTROSCOPY
X RAYS RADIOISOTOPES 1 2 3 4 7 use RADIOACTIVE ISOTOPES RADIOLOGICAL DEFENSE 3 4
RT FALLOUT SHELTERS
--MEASURING INSTRUMENTS
NUCLEAR ENGINEERING
NUCLEAR RADIATION
NUCLEAR WARFARE DEFENSE
--PROTECTIVE STRUCTURES
--RADIATION EFECTS
EADTATION HAZABDS RADIATION HAZARDS
RADIATION HAZARDS
RADIATION INJURIES
--RADIATION MEASURING
INSTRUMENTS

RADIOLOGICAL DEFENSE (Con.)
RADIATION PROTECTION
RADIATION SHIELDING
RADIOACTIVE CONTAMINATION
RADIOACTIVE FALLOUT
RADIOLOGICAL WARFARE
SAFETY
SAFETY ENGINEERING
--SHELTERS
--UNDERGROUND CONSTRUCTION

RADIOLOGICAL DOSAGE 7
use RADIATION DOSAGE

RADIOLOGICAL WARFARE
RT CBR WARFARE
CIVIL DEFENSE
MILITARY OPERATIONS
NUCLEAR RADIATION
NUCLEAR WARFARE
--NUCLEAR WARFARE
--NUCLEAR WEAPONS
--RADIATION EFFECTS
RADIATION HAZARDS
RADIATION INJURIES
RADIOACTIVE CONTAMINATION
RADIOACTIVE FALLOUT
RADIOLOGICAL DEFENSE

RADIOLOGY 2 3 6
NOTE: Study of radioactivity
and radioactive elements
RT--RADIATION
--RADIOACTIVE ISOTOPES
--RADIOACTIVE MINERALS
--RADIOGRAPHY

RADIOMETERS 6 7
UF INFRARED RADIOMETERS
BT MEASURING INSTRUMENTS
RADIATION MEASURING
INSTRUMENTS
NT SPECTRORADIOMETERS
RT RADIOMETRY

RADIOMETRY 6 RT--RADIOMETERS

RADIONUCLIDES 2 use RADIOACTIVE ISOTOPES

RADIOS 6 RT RADIO TELESCOPES

RADIOSONDES 1
BT MEASURING INSTRUMENTS
RT--METEOROLOGICAL INSTRUMENTS
TELEMETRY

RADIUM 6 BT METALS

RADIUS OF CURVATURE 3

RAFT FOUNDATIONS 2 3 use MAT FOUNDATIONS

RAILROAD BRIDGES 3 4
BT BRIDGES
RT ARCH BRIDGES
CANTILEVER BRIDGES
GIRDER BRIDGES
HIGHWAY BRIDGES
RAILROADS
RIGID FRAME BRIDGES
SUSPENSION BRIDGES

RAILROAD ENGINEERING 2
BT CIVIL ENGINEERING
RT--BRIDGES
--SLOPE PROTECTION

RAILROAD RELOCATION 6
BT RELOCATION
RT RAILROADS
RIGHT OF WAY

RAILROAD STATIONS 4
RT RAILROAD TERMINALS
RAILROADS

RAILROAD TERMINALS 4
BT TERMINAL FACILITIES
RT FREIGHT TERMINALS
RAILROAD STATIONS
RAILROAD TRACKS
RAILROADS

RAILROAD TIES 3 UF TIES (RAILROAD) RT--CONCRETE PRODUCTS RAILROADS

RAILROAD TRACKS 4
RT RAILROAD TERMINALS
RAILROADS

RAILROAD TUNNELS 2 3 4
BT TUNNELS
RT RAILROADS
SUBWAY TUNNELS
SUBWAYS
VEHICULAR TUNNELS

RAILROADS 2 3 4 6
RT OVERPASSES
RAILROAD BRIDGES
RAILROAD TELOCATION
RAILROAD TELOCATION
RAILROAD TES
RAILROAD TRACKS
RAILROAD TUNNELS
RAILROAD TUNNELS
RAILROAD STATIONS
RAPID TRANSIENT SYSTEMS
ROADBEDS
SUBMAYS
TRAMMAYS
--TRANSPORTATION
UNDERPASSES

RAIN AND RAINFALL 1 2 6 7
BT PRECIPITATION (METEOROLOGY)
RT ANNUAL FLOODS
ARTIFICIAL PRECIPITATION -CLIMATOLOGY CLOUD SEEDING
CLOUDBURSTS
DEPTH-AREA CURVES
DEPTH-AREA-DURATION
ANALYSIS
DESIGN STORM -EROSION FLASH FLOODS
FLOOD ESTIMATES
FLOOD FORECASTING
FLOOD FREQUENCIES
FLOOD HYDROGRAPHS FLOOD HYDROLOGY FLOOD PEAKS FLOODS FRESHETS -- HYDROGRAPHS HYDROLOGIC CYCLE -HYDROLOGY HYDROMETEOROLOGY HYETOGRAPHS MASS CURVES METEOROLOGICAL DATA METEOROLOGICAL RADAR METEOROLOGY MIST MUD FLOWS MUD FLOWS
PEAK RUNOFF
PRECIPITATION (METEOROLOGY)
RAIN GAGES
RAINFALL INTENSITY

RIVER FORECASTING

--SLIDES
--SLOPE PROTECTION

SIMULATED RAINFALL

RAIN AND RAINFALL (Con.) RAMMSONDE PENETROMETERS SOIL EROSION SOLIFLUCTION NOTE: Used in snow strength measurement
T CONE PENETROMETERS
DROP HAMMER PENETROMETERS
PENETROMETERS
TRAFFICABILITY TEST STORMS STREAM EROSION THUNDERSTORMS TIME LAG INSTRUMENTS
RT COME PENETRATION TESTS
SNOW STRENGTH
SNOW TRAFFICABILITY TYPHOONS --WATERSHEDS WEATHER
--WEATHER MODIFICATION WEATHER PATTERNS RAMPS CONCRETE RAMPS RAIN FORESTS 5
BT FORESTS
RT CROWN CHARACTERISTICS
(VEGETATION) RT--BRIDGES INTERCHANGES FORESTRY JUNGLE TRAILS OVERPASSES UNDERPASSES TREES
TROPICAL REGIONS RANDOM PROCESSES VEGETATION
VEGETATION CLASSIFICATION
--VEGETATION DESCRIPTIONS
VEGETATIVE COVER BT STOCHASTIC PROCESSES RT COMMUNICATION THEORY INFORMATION THEORY
PROBABILITY THEORY
-STATISTICAL ANALYSIS RAIN GAGES STATISTICAL TESTS HYDROLOGIC INSTRUMENTS
MEASURING INSTRUMENTS
METEOROLOGICAL INSTRUMENTS
PRECIPITATION GAGES RANDOM VIBRATION 4 RT RANDOM VIBRATION TESTS RANDOM VIBRATION TESTS
RT RANDOM VIBRATION
VIBRATION DAMPING
VIBRATION EFFECTS RT--GAGING STATIONS
--HYDROMETEOROLOGICAL
STATIONS RAIN AND RAINFALL VIBRATION THEORY --VIBRATIONS RAIN MAKING 1 use CLOUD SEEDING RANGES NOTE: Geographic area of RAIN STIMULATION : occurence of a species; the region over which a given form occurs, naturally or after introduction
RT BROWSE UTILIZATION
CARRYING CAPACITY
--CONSERVATION RAINFALL INTENSITY RT DEPTH-AREA-DURATION ANALYSIS FLASH FLOODS FLOOD HYDROGRAPHS FLOOD PEAKS FLOOD WAVES FOREST MANAGEMENT GRASSLANDS LAND USE
--RESOURCE CONSERVATION -METEOROLOGY RAIN AND RAINFALL -- SUCCESSION VEGETATION RUNOFF FORECASTING RANKINE-HUGONIOT RELATIONS 2 4 use HUGONIOT EQUATIONS OF STATE RAINFALL-RUNOFF RELATIONSHIPS 1 BASE FLOW
DEPTH-AREA CURVES
DEPTH-AREA-DURATION
ANALYSIS
--DISCHARGE (WATER)
FLOOD FORECASTING RANKINES THEORY 2
BT EARTH PRESSURE THEORIES
RT COEFFICIENT OF EARTH PRESSURE THEORY OF PLASTICITY --HYDROGRAPHS
INFILTRATION (WATER)
MAXIMUM PROBABLE FLOOD
OVERLAND FLOW RAPID COMPACTION CONTROL (SOILS) 2 5
use COMPACTION CONTROL (SOILS) PERCOLATION --RUNOFF RUNOFF COEFFICIENT --SLOPES RAPID CURING ASPHALT USE LIQUID ASPHALT STORAGE COEFFICIENT SURFACE-GROUNDWATER RAPID DRAWDOWN APID DRAWDOWN 1
BT DRAWDOWN 1
TC CANAL EMBANKMENTS
--CANALS
--DAM FAILURES
DRAINAGE SYSTEMS
--EARTH DAMS
HYDRAULIC PRESSURE
PHREATIC LINE
--PORE PRESSURE
BELIEF WELLS RELATIONSHIPS SURFACE DETENTION TIME LAG VEGETATION EFFECTS RAINFALL SIMULATORS RAMMERS (COMPACTION) 2 3 5
Use HAND TAMPERS (COMPACTION) RELIEF WELLS RESERVOIR OPERATION RUPTURING --SLOPE STABILITY

RAPID EARTH CONSTRUCTION 2
BT CONSTRUCTION
RT--EARTH HANDLING EQUIPMENT
EARTHWORK
EXPEDIENT CONSTRUCTION
RAPID EXCAVATION
RAPID ROAD CONSTRUCTION
SOIL DISPLACEMENT METHODS
--SOIL STABILIZATION
SLOPE STABILIZATION RAPID EXCAVATION BT EXCAVATION RT--BLASTING 2 4 --BLASTING
EXPEDIENT CONSTRUCTION
--EXPLOSIVE EXCAVATION
HYDRAULIC EXCAVATION
HYDRAULIC FRACTURING OF ROCK
--NUCLEAR EXCAVATION
RAPID EARTH CONSTRUCTION
SOIL DISPLACEMENT METHODS
TUNNELING MACHINES
HENDERGUIND CONSTRUCTION UNDERGROUND CONSTRUCTION RAPID FLOW 1
use SUPERCRITICAL FLOW RAPID ROAD CONSTRUCTION BT ROAD CONSTRUCTION BT ROAD CONSTRUCTION
BRIQUETS
EXPEDIENT CONSTRUCTION
EXPEDIENT SURFACINGS
MEMBRANE ENVELOPED SOIL
LAYER LAYER MEMBRANES (ROADS) MILITARY ROADS
PREFABBICATED SURFACINGS
RAPID EARTH CONSTRUCTION
UNSURFACED ROADS RAPID SAND FILTERS 1 BT FILTERS (WATER TREATMENT) RAPID TRANSIT SYSTEMS 6 RT RAILROADS SUBWAYS --TRANSPORTATION URBAN AREAS RARE EARTH ELEMENTS 6 BT METALS RT THORIUM RATE OF CONSOLIDATION (SOILS) 2
USE TIME SETTLEMENT RELATIONSHIP RATE OF CREEP 2 3 4 use CREEP RATE RATE OF LOADING 1 2 3 4 use LOADING RATE RATING CONE INDEX 4
NOTE: Product of the cone index
and the remolding index
UF REMOLDING INDEX
BT SOIL PROPERTIES SULFACE COMPOSITION FACTORS
COME INDEX
REMOLDED SOILS
--SOIL STRENOTH TRAFFICABILITY DATA VEHICLE CONE INDEX OS 1 2 3 6
AIR VOID RATIO
COST INDEXES RATIOS CRITICAL VOID RATIO POISSON RATIO SOIL VOID RATIO VOID RATIO WATER CEMENT RATIO CORRELATION SCALE (RATIO)

A STATE OF THE STA

RAVINES 1
RT ARROYOS
--CANYONS
GULLIES GULLY EROSION RAY TRACING 6 RT--DIFFRACTION RAYLEIGH WAVES 2 3 4 AVLEIGH WAVES 2 3 4

NOTE: Special case of elastic
surface waves propagated along
the stress free surface of a
homogeneous medium

UF M WAVES
R WAVES
BT ELASTIC WAVES
MECHANICAL WAVES
SEISMIC WAVES
SURFACE WAVES (SOLID MEDIA)
WAVES WAVES RT GROUND ROLL LOVE WAVES RAYMOND FILES 2 3
BT CASED PILES
CAST-IN-PLACE PILES
CONCRETE PILES
CONCRETE PRODUCTS
PILES FRANKI PILES (CASED) WESTERN PILES (CASED) UF CYCLONITE CYCLOTRIMETHYLENETRINITRA-MINE EXPLOSIVES RT PENTOLITE PETN TETRYL TNT REACTION TURBINES HYDRAULIC TURBINES AMERICAN TURBINES BOYDON TURBINES DERIAZ TURBINES POURNEYRON TURBINES
FRANCIS TURBINES
FRANCIS TURBINES
KAPLAN TURBINES
--MIXED-FLOW TURBINES
DRAFT TUBES
HIGH HEAD HIGH HEAD
INWARD-FLOW TURBINES
OUTWARD-FLOW TURBINES
PROPELLER TURBINES
--PUMP TURBINES
--REVERSIBLE TURBINES
TURBINE EFFICIENCY
TURBINE RUNNERS REACTIVE AGGREGATES 3 5
BT AGGREGATES
RT--AGGREGATE TESTS
--CEMENT AGGREGATE REACTIONS CONCRETE DETERIORATION REACTOR CONTAINMENT VESSELS
use PRESSURE VESSELS REACTOR SHIELDING MATERIALS use RADIATION SHIELDING MATERIALS REACTORS (NUCLEAR) 3 use NUCLEAR REACTORS READY MIXED CONCRETE 3
UF CENTRALLY MIXED CONCRETE
SHRINKAGE MIXED CONCRETE
TRANSIT MIXED CONCRETE CONCRETE MIXERS
CONCRETE MIXING
CONCRETE MIXING PLANTS

READY MIXED CONCRETE (Con.) -MIXERS TRANSIT MIXERS REAERATION 1 AGERATION 1 7

NOTE: Natural process whereby a body of water receives replacement oxygen from the atmosphere UF REOXYGENATION RECAYUTATION RECAYUTATION RECORD OXYGEN DISSOLVED OXYGEN OXYGENATION TURBULENCE
--WASTE TREATMENT
--WATER CIRCULATION
WATER QUALITY REAL ESTATE use REAL PROPERTY REAL NUMBERS BT NUMBERS REAL PROPERTY UF REAL ESTATE RT--APPRAISALS ASSESSMENTS --BUILDINGS CAPITAL --LAND LAND ACQUISITION LAND TENURE LAND VALUE --VALUE REAL TIME DATA PROCESSING BT DATA PROCESSING REAL TIME OPERATIONS 6
RT COMPUTER PROGRAMMING
--COMPUTER SYSTEMS HARDWARE
--COMPUTER SYSTEMS PROGRAMS -- COMPUTERS REAL VARIABLES 6
NT BOUNDARY VALUE PROBLEMS
CALCULUS
CALCULUS OF VARIATIONS DIFFERENTIAL CALCULUS DIFFERENTIAL EQUATIONS -- FOURIER ANALYSIS FOURIER INTEGRALS FOURIER SERIES INFINITE SERIES
LINEAR DIFFERENTIAL EQUATIONS
--NONLINEAR DIFFERENTIAL EQUATIONS --ORDINARY DIFFERENTIAL EQUATIONS
--PARTIAL DIFFERENTIAL
EQUATIONS
VAN DER POL DIFFERENTIAL
EQUATION
VECTOR ANNUALS VECTOR ANALYSIS
RT--COMPLEX VARIABLES
--FUNCTIONAL ANALYSIS REBHANNS METHOD 2
BT EARTH PRESSURE THEORIES
GRAPHICAL METHODS
RT COULOMBS THEORY REBOUND 2 3 BT DEFORMATION RT--COMPRESSION
--CONSOLIDATION TESTS (SOILS)
HYSTERESIS OVERBURDEN OVERCONSOLIDATION
PRECONSOLIDATION
PRECONSOLIDATION PRESSURE
PRESSURE VOID RATIO CURVES
REBOUND OF EXCAVATION
RESILIENCE

REBOUND (Con.)
--SOIL DEFORMATION
SOIL RESILIENCE
SOIL SWELLING
VOLUME CHANGE REBOUND CURVE use PRESSURE VOID RATIO CURVES REBOUND HAMMER TESTS 3

UF REBOUND NUMBER TESTS
SCHMIDT HAMMER TESTS
BT CONCRETE TESTS
IMPACT TESTS
IMPACT TESTS
RT COMPRESSIVE STRENGTH (CONCRETE) REBOUND NUMBER TESTS 3
use REBOUND HAMMER TESTS REBOUND OF EXCATATION 2
RT--EXPANSIVE SOILS
OVERBURDEN
OVERCONSOLIDATED SOILS
PRECONSOLIDATION
PEROUND REBOUND SOIL SWELLING RECENT EPOCH ECENT EPOCH 2 BT QUATERNARY PERIOD RECESSION CURVES 1 BT CURVES RT--HYDROGRAPHS RIVER FORECASTING --RUNOFF RECHARGE (WATER) 1
NT GROUNDWATER RECHARGE
INDUCED INFILTRATION
RT RECLAIMED WATER
RECHARGE WELLS
SPREADING BASINS SURFACE-GROUNDWATER RELATIONSHIPS -- SURFACE WATERS RECHARGE WELLS 1 2

NOTE: Inverted wells installed for the purpose of increasing the groundwater supply by conducting surface water into an aquifer

BT WATER WELLS

WELLS

BT. AGUIDEDES RT--AQUIFERS
--DEEP WELLS
--DRAWDOWN GROUNDWATER RECHARGE INJECTION WELLS
INFILTRATION WATER
RECHARGE (WATER)
SALT WATER BARRIERS
SPREADING BASINS
UNDERGROUND WATER STORAGE --WATER TABLE RECIPROCATING PUMPS 1 2 3 BT PUMPS RT AIR CHAMBERS FEED PUMPS PISTONS RECIRCULATED WATER 1
RT INDUSTRIAL WATER
WATER RECIRCULATION
WATER RECLAMATION RECIRCULATION (WATER) 1
use WATER RECIRCULATION RECLAIMED WATER 1
BT WATER
RT DIVERSION LOSS RETURNS
EFFLUENT REUSE

POTABLE WATER

RECLAIMED WATER (Con.)
--RECHARGE (WATER)
WASTE WATER
WATER QUALITY
WATER RECIRCULATION RECORDING APPARATUS 1 2 3 4
use RECORDING INSTRUMENTS RECORDING INSTRUMENTS 1 2 3 4 6
UF INSTRUMENTS (RECORDING)
RECORDING APPARATUS
RECORDING SYSTEMS
NT ACCELEROGRAPHS WATER TREATMENT RECLAMATION 7 NT LAND RECLAMATION RT--CONSERVATION --BOREHOLE CAMERAS BOREHOLE TV CAMERAS -CAMERAS IRRIGATION DEPTH RECORDERS (WATER) OSCILLOGRAPHS SEISMOGRAPHS SALVAGE RECLAMATION OF LAND
use LAND RECLAMATION 1 7 AUTOMATIC CONTROL AUTOMATION -- CONTROL EQUIPMENT -- CONTROLLERS RECLAMATION (WATER) USE WATER RECLAMATION DATA COLLECTION SYSTEMS DETECTORS RECOIL MECHANISMS DIGITAL RECORDING --ELECTRIC EQUIPMENT RECOMPRESSION -- ELECTRONIC EQUIPMENT BT COMPRESSION -- GAGES RT--CONSOLIDATION TESTS (SOILS)
HYSTERESIS
O'VERCONSOLIDATION
PRECONSOLIDATION PRESSURE LIQUID LEVEL INDICATORS --LOGGING --LOGGING
MAGNETIC TAPES
--MEASURING INSTRUMENTS
--METEOROLOGICAL INSTRUMENTS
NEUTRON COUNTERS PRESSURE VOID RATIO CURVES NEUTRON COUNTERS
--OCEANOGRAPHIC INSTRUMENTS
--OPTICAL INSTRUMENTS
PNEUMATIC INSTRUMENTS
PROCESS CONTROL
REMOTE CONTROL RECOMPRESSION CURVE 2
use PRESSURE VOID RATIO CURVES RECONNAISSANCE NOTE: Individual missions for intelligence purposes for the systematic observation of a given area or objective NT PHOTOGRAPHIC RECONNAISSANCE TELEVISION RECONNAISSANCE -- SENSORS -- SHEAR EQUIPMENT SYSTEMS ENGINEERING RT AERIAL PHOTOGRAPHY AERIAL SURVEYS RECORDING SYSTEMS 1 2 3
use RECORDING INSTRUMENTS MILITARY GEOGRAPHIC INTELLIGENCE RECORDS --MILITARY OPERATIONS
RECONNAISSANCE AIRCRAFT
RECONNAISSANCE SURVEYS
RECONNAISSANCE VEHICLES RT - - DOCUMENTS RECOVERY RATIO (SAMPLING) RT SAMPLE DISTURBANCE SITE SELECTION -- SAMPLING RECONNAISSANCE AIRCRAFT
UF OBSERVATION AIRCRAFT SEDIMENT SAMPLING SOIL SAMPLING UNDISTURBED SAMPLING AIRCRAFT
MILITARY AIRCRAFT
FLYING PLATFORMS
GLIDERS RECOVERY VEHICLES 5
UF WRECKER VEHICLES
RT--MILITARY VEHICLES
--OFF-ROAD VEHICLES
TOWING VEHICLES
--TRACKED VEHICLES HELICOPTERS PATROL AIRCRAFT RADAR --RECONNAISSANCE --TRUCKS RECONNAISSANCE SURVEYS 1 2 --WHEELED VEHICLES WINCHES RT AUGER BORING
--EXPLORATION SAMPLERS RECREATION 1 6 7 NT CAMPING RT BEACHES -- FIELD SOIL PENETRATION TESTS -- GEOLOGICAL INVESTIGATIONS -- GEOPHYSICAL EXPLORATION
-- RECONNAISSANCE FOREST MANAGEMENT LAND USE MULTIPURPOSE PROJECTS
MULTIPURPOSE RESERVOIRS
NATIONAL PARKS
-NATURAL RESOURCES --SITE SELECTION SITE SELECTION STUDIES SOUNDING METHODS (SOILS) WASH BORING --PARKS RECONNAISSANCE VEHICLES
RT AIR CUSHION VEHICLES
--AMPHIBIOUS VEHICLES PROJECT PLANNING
--PUBLIC LAND
RECREATIONAL FACILITIES -- COMBAT VEHICLES HELICOPTERS -- RESERVOIRS WATER ALLOCATION HELICOPTERS
--LIGHT UTILITY VEHICLES
--MILITARY VEHICLES
--OFF-ROAD VEHICLES
--RECONNAISSANCE
--ROAD VEHICLES
--TRACKED VEHICLES
--WHEELED VEHICLES RECREATIONAL PACILITIES 1 2 3 4 6 7 NT STADIUMS SWIMMING POOLS RT AUDITORIUMS

REEFS (Con.)
BT TOPOGRAPHIC FEATURES
NT ATOLLS RECREATIONAL FACILITIES (Con.) BEACHES BOAT-LAUNCHING RAMPS CAMPING FLOODPLAIN ZONING BIOHERMS -- CORAL REEFS AND ISLANDS RT--BARS (COASTAL) -- CALCAREOUS ROCKS GYMNASIUMS --LAKES MARINAS NATIONAL PARKS COASTAL MORPHOLOGY CORAL -GEOMORPHOLOGY SANDBARS -- PARKS -- PUBLIC LAND SEDIMENT CONCENTRATION
--SEDIMENTARY ROCKS --RECREATION REGIONAL PLANNING --SEDIMENTATION
SHALLOW WATER
SHOALS
SPITS (COASTAL) RESERVOIRS
RIVERBASIN DEVELOPMENT URBAN PLANNING RECRYSTALLIZATION CRYSTALLIZATION 2 3 NOTE: Formation of new mineral grains in a rock while in the REFERENCE TEST AREAS 5 NOTE: Representative of a large environmental area solid state CRYSTALLIZATION CRYSTALLOGRAPHY RT -- ENVIRONMENTS --FIELD TESTS CRYSTALS DIAGENESIS MILITARY BASES -- REGIONS --MINERALOGY REFLECTANCE 1 3 6 RECTANGULAR BEAMS 3 4
BT BEAMS (SUPPORTS)
STRUCTURAL MEMBERS use REFLECTIVITY REFLECTION 1 2 3 4 NT SEISMIC REFLECTION RT--CONCRETE BEAMS NOTE: Precast concrete armor units
BT ARMOR INTEG WATER WAVE REFLECTION
--WAVE REFLECTION RECTANGULAR BLOCKS RT--DIFFRACTION REFLECTIVITY --REFRACTION REFLECTIVITY 1 3 6 UF REFLECTANCE RT ALBEDO RECTANGULAR CONDUITS use NONCIRCULAR CONDUITS --DIFFRACTION RECTANGULAR FOOTINGS 2 3 BT FOOTINGS --REFLECTION FOUTHOUS
FOUNDATIONS
SHALLOW FOUNDATIONS
COLUMN FOOTINGS
COMBINED FOOTINGS REFORESTATION NOTE: Planting of trees in an area where there was once a forest
VEGETATION ESTABLISHMENT RECTANGULAR WEIRS RT AFFORESTATION FOREST MANAGEMENT BT WEIRS RT APPROACH CHANNELS BROAD-CRESTED WEIRS CIPOLLETTI WEIRS DISCHARGE MEASUREMENT FLOW MEASUREMENT FORESTRY
LAND MANAGEMENT
LAND RECLAMATION
--NATURAL RESOURCES SHARP CRESTED WEIRS STAFF GAGES SOIL CONSERVATION SOIL EROSION SUBMERGED WEIRS VEE-NOTCHED WEIRS WATER CONSERVATION WEIR CRESTS WEIR GAGES WEIR PONDS CTION 1 2 3 4 SEISMIC REFRACTION REFRACTION WATER WAVE REFRACTION
--WAVE REFRACTION RECTIFICATION (RIVER)
use RIVER TRAINING RT--DIFFRACTION --REFLECTION REFRACTIVITY SOUND TRANSMISSION RECYCLED CONCRETE UF CONCRETE RECYCLING BT CONCRETES REFRACTIVE INDEX use REFRACTIVITY RED TIDE ED TIDE 7
BT PLANKTON BLOOMS
RT DINOFLAGELLATES REFRACTIVITY 3
UF INDEX OF REFRACTION
REFRACTIVE INDEX PISH KILLS MARINE ALGAE RT--REFRACTION MORTALITY
WATER POLLUTION SOURCES REFRACTORIES NOTE: Resistant to high temper-atures, and intended for this REDOX POTENTIAL 7
use OXIDATION-REDUCTION BT REFRACTORY MATERIALS
NT REFRACTORY CONCRETES
REFRACTORY MORTARS POTENTIAL

EEFS 1 2 NOTE: Chain or range of rocks or coral at or near the surface of the water REFRACTORIES (Con.)
RT ALUMINATE CEMENTS
--CLAY MINERALS
--CLAYS
FIREBRICK REGIME (Con.)
CHANNEL MORPHOLOGY
--CHANNELS EQUILIBRIUM --FLOW FLOW PROFILES --HYDRAULICS REGIME THEORY FIRECLAYS --FURNACES KAOLIN KILNS -- SLOPES ALLINS
LIGHTWEIGHT AGGREGATES
MOLDING MATERIALS
MORTARS (MATERIAL)
THERMAL INSULATION STREAMFLOW REGULATION REGIME THEORY 1
RT ALLUVIAL STREAMS
CANAL DESIGN
--IRRIGATION CANALS REFRACTORY CONCRETES --IRRIGATION CANAL REGIME
--SEDIMENT LOAD STABLE CHANNELS STREAM EROSION --STREAM FLOW BT CONCRETES REFRACTORIES REFRACTORY MATERIALS ALUMINATE CEMENTS REFRACTORY MORTARS REFRACTORY MATERIALS 3
NOTE: Capable of resisting high temperatures without degradation, whether intended for REGIONAL FLOODS BT FLOODS RT DESIGN FLOOD FLOOD DAMAGE FLOOD FORECASTING this purpose or not NT FIREBRICK REGIONAL PLANNING 6
BT PLANNING
RT PUBLIC UTILITIES
RECREATIONAL FACILITIES
RURAL AREAS
TRAFFIC ENGINEERING
TRANSFORTATION
URDAN ABERS FIRECLAYS --REFRACTORIES REFRACTORY CONCRETES REFRACTORY MORTARS CERAMIC MATERIALS HEAT RESISTANT MATERIALS REFRACTORY MORTARS 3
BT MORTARS
REFRACTORIES
REFRACTORY MATERIALS
RT REFRACTORY CONCRETES URBAN AREAS REGIONS 2 5 (
UF ZONES
NT ALPINE REGIONS
ANTARCTIC REGIONS
ARCTIC REGIONS
ARID REGIONS REFRIGERATING RT AIR CONDITIONING COOLERS DESERTS HUMID REGIONS COOLING HUMID REGIONS
OCEANIC REGIONS
PERMAFROST REGIONS
-POLAR REGIONS
SEMIARID REGIONS
SUBARCTIC REGIONS
SUBHUMID REGIONS
TEMPERATE REGIONS
TROPICAL REGIONS
-CLIMATOLOGY COOLING SYSTEMS HUMIDITY HUMIDITY CONTROL REPRIGERATING MACHINERY --TEMPERATURE TEMPERATURE CONTROL VENTILATION REFRIGERATING MACHINERY RT--CLIMATOLOGY --ENVIRONMENTS RT AIR CONDITIONERS
--AIR CONDITIONING EQUIPMENT -- GEOGRAPHY MILITARY GEOGRAPHIC BLOWERS INTELLIGENCE REFERENCE TEST AREAS COOLERS COOLING SYSTEMS HEAT PUMPS REFRIGERATING RURAL AREAS TERRAIN ANALYSIS FUSE 7
NOTE: Solid waste such as gar-bage, scrap, and trash BT WASTES NT GARBAGE URBAN AREAS REGRESSION ANALYSIS 1 2 3 4 5 6 7
BT STATISTICAL ANALYSIS
NT MULTIPLE REGRESSION
RT CORRELATION TECHNIQUES SCRAP
T AIRBORNE WASTES
--INDUSTRIAL WASTES
ORGANIC WASTES
SANITARY ENGINEERING - CORRELATION TECHNIQUE
-FORECASTING
GRAPHICAL METHODS
LEAST SQUARES METHOD
-PREDICTIONS
PROBABILITY THEORY SEWAGE SPOIL --QUALITY CONTROL STATISTICAL TESTS REFUSE DISPOSAL 1 use WASTE DISPOSAL VARIABILITY REGULATED FLOW 1 BT CHANNEL FLOW REGIME GOIME 1
NOTE: Balance between erosion and deposition in a stream channel
UF RIVER REGIME
RT ALLUVIAL STREAMS
BANKS FLOW FLUID FLOW STREAM FLOW NATURAL FLOW

--CANALS

-- WATER RIGHTS

REGULATED-SET CEMENTS REINFORCING BARS (Con.)
--REINFORCED CONCRETE NOTE: Manufactured under patents issued to the Port-land Cement Association UF "JET-SET" CEMENTS TIES (REINFORCEMENT) REINFORCING MATERIALS 3 4
UF CONCRETE REINFORCEMENT
NT DEFORMED REINFORCEMENT
REINFORCING BARS
--REINFORCING STEELS
RT BAMBOO BT CEMENTS REGULATIONS 1 5 6 RT--ALLOCATIONS LAWS LEASES --FIBERS METAL FIBERS
NYLON FIBERS
--REINFORCED CONCRETE LEASING LEGISLATION -- LICENSES -- MANAGEMENT REINFORCEMENT (STRUCTURES)
--SYNTHETIC FIBERS PATENTS PERMITS --STANDARDS REINFORCING STEELS CONCRETE REINFORCEMENT CONCRETE STEEL REGULATORS 3 6 METALS REINFORCING MATERIALS MOITE: Devices that maintain a
desired quantity at a predetermined value or vary it according to a predetermined plan
BT CONTROL EQUIPMENT
NT SPEED REGULATORS STEELS DEFORMED REINFORCEMENT HOOKED REINFORCEMENT WEB REINFORCEMENT RT--BARS (METAL)
BEND TESTS
CATHODIC PROTECTION
CONFINED CONCRETE
ELASTIC LIMIT
HIGH STRENGTH STEELS THERMOSTATS RT--CONTROLLERS PROCESS CONTROL SPEED CONTROL REHBOCK SILLS PRESTRESSED CONCRETE
PRESTRESSING STEELS
-REINFORCED CONCRETE use DENTATED SILLS REINFORCED CONCRETE 2 3 4 5 SPIRAL REINFORCEMENT BT CONCRETES NT FIBER REINFORCED CONCRETE RT BAMBOO SPLICING STEEL BARS STIRRUPS EARBOO

-COMPOSITE MATERIALS

CONCRETE CONSTRUCTION

CONFINED CONCRETE

FERROCEMENT STRAPPING STRUCTURAL STEELS TIES (REINFORCEMENT) WELDED WIRE FABRIC FERROCEMENT
--POUNDATION CONSTRUCTION
PRECAST CONCRETE
PRESTRESSED CONCRETE
REINFORCED CONCRETE PIPES
REINFORCING BARS
--REINFORCING MATERIALS
--REINFORCING STEELS
REINFORCEMENT (STRUCTURES)
ROAD MATERIALS
--SLABS REJECTION RT ACCEPTABILITY RELATIONS 5

NOTE: Use of a more specific term is recommended; consult the terms listed below, and those under INTERACTION MOISTURE-DENSITY RELATIONS PRESSURE-SINKAGE RELATIONS SOIL MOISTURE RELATIONS SOIL MOISTURE RELATIONS SOIL PROPERTY RELATIONS SOIL STRENGTH RELATIONS REINFORCED CONCRETE PIPES BT CONCRETE PIPES PIPES RT--REINFORCED CONCRETE REINFORCED PLASTIC PIPES RELATIVE CONSISTENCY (SOILS)
RT--ATTERBERG LIMITS BT CLOSED CONDUITS PIPES --CLAYEY SOILS RT--PIPELINES --CLAYS
--COHESIVE SOILS
CONSISTENCY (SOILS)
LIQUID LIMIT
LIQUIDITY INDEX
PLASTICITY INDEX
RELATIVE DENSITY PRESSURE PIPES REINFORCED PLASTICS STIFFNESS POLYESTER LAMINATES -- WATER CONTENT (SOILS) REINFORCEMENT (STRUCTURES)
RT COMPOSITE MATERIALS
REINFORCED CONCRETE
--REINFORCING MATERIALS RELATIVE DENSITY 2 3
BT DENSITY (MASS/VOLUME)
RT ACCEPTANCE TESTS
COHESIONLESS SOILS
DEGREE OF COMPACTION
--FIELD CONTROL TESTS (SOILS) REINFORCING BARS 3 4 BT BARS (METAL) REINFORCING MATERIALS FILTER TESTS
--PENETROMETERS RELATIVE CONSISTENCY (SOILS)
RELATIVE DENSITY DETERMINA-RT DEFORMED REINFORCEMENT STANDARD PENETRATION TESTS -- VOID RATIO

RELATIVE DENSITY DETERMINATION
BT SOIL TESTS (LABORATORY)
RT COMPACTION CONTROL (SOILS)
--COMPACTION TESTS
MAXIMUM DRY DENSITY
MINIMUM DENSITY RELATIVE DENSITY VIBRATORY COMPACTION -- VOID RATIO RELATIVE HUMIDITY 1 2 3 6 7 RELATIVE WATER CONTENT 2 use LIQUIDITY INDEX RELAXATION METHOD 2 6 NOTE: Method of successive ap-proximations for solving a system of equations
BT NUMERICAL ANALYSIS
RT APPROXIMATION METHOD LAPLACE EQUATION RELAXATION TESTS 3
USE STRESS RELAXATION TESTS RELIABILITY RT ACCEPTABILITY --DURABILITY -- FORECASTING --MAINTENANCE
PERFORMANCE PREDICTIONS PREDICTIONS
PROBABILITY THEORY PRODUCTIVITY QUALITY QUALITY CONTROL SAFETY FACTOR
--SAMPLING
--SPECIFICATIONS -- STABILITY --STANDARDS --STATUSTICAL ANALYSIS
STATISTICAL DISTRIBUTIONS
STATISTICAL TESTS
TOLERANCES (MECHANICS)
VARIABILITY VULNERABILITY RELEASE OF WATER 1
use DISCHARGE (WATER) RELICT CHANNELS use ABANDONED CHANNEL DEPOSITS RELICT VALLEYS BT VALLEYS RT--PALEOGEOGRAPHY RELIEP MAPS 2
NOTE: Maps showing the relief of an area usually by generalized contour lines
BT MAPS
RT--GEOMORPHOLOGY
THREE-DIMENSIONAL MAPS
TOPOGRAPHIC MAPS RELIEF (TERRAIN) 5
use SURFACE GEOMETRY

RELIEF VALVES 1
BT VALVES
RT--HYDRAULIC VALVES
--PNEUMATIC VALVES

RELIEF WELL CONSTRUCTION
USe WELL CONSTRUCTION

RELIEF WELL DESIGN

use WELL DESIGN

RELIEF WELL PERFORMANCE 1 2 use WELL PERFORMANCE RELIEF WELL THEORY 1 2
RT COEFFICIENT OF PERMEABILITY
DARCYS LAW
--HYDRAULIC GRADIENTS
HYDROSTATIC PRESSURE
PERMEABILITY (SOILS)
RELIEF WELLS
SEEPAGE PRESSURE
SEEPAGE THEORY
UNDERSEPAGE THEORY
WELL DESIGN WELL DESIGN WELL HYDRAULICS WELL THEORY RELIEF WELLS 1 2 3
NOTE: Boreholes drilled at the
toe of an earth dam to relieve
high pore water pressures
caused by the weight of the dam UT PRESSURE RELIEF WELLS
BT WELLS
RT BLOWOUTS
--DAM DESIGN DAM UNDERSEEPAGE -- DRAINAGE -- DRAINAGE WELLS -- DRAINS --DRAINS
LEVEE UNDERSEEPAGE
--PIEZOMETERS
PIPING (SEEPAGE)
PORE WATER PRESSURE
PRESSURE CONTROL
RAPID DRAWDOWN RELIEF WELL THEORY SAND BOILS SEEPAGE CONTROL SEEPAGE PRESSURE UNDERSEEPAGE CONTROL VERTICAL DRAINS WELL CONSTRUCTION WELL DESIGN WELL PERFORMANCE WELLPOINTS RELIEVING PLATFORMS 1 2 RT QUAY WALLS --RETAINING WALLS RELIGIOUS BUILDINGS
UF CHURCHES
BT PUBLIC BUILDINGS
RT SCHOOL BUILDINGS RELOCATION NT RAILROAD RELOCATIONS REMIXING use RETEMPERING REMOLDED CLAYS 2 CLAYS COHESIVE SOILS FINE GRAINED SOILS REMOLDED SOILS REMOLDED SOIL SAMPLES SENSITIVITY REMOLDED SOIL SAMPLES 2
BT SOIL SAMPLES
RT AUGER BORING
--EXPLORATION SAMPLERS REMOLDED CLAYS --REMOLDED SOILS SAMPLE DISTURBANCE SAMPLING SENSITIVITY SENSITIVITY RATIO UNDISTURBED SOIL SAMPLES

REMOLDED SOILS 2 5 NOTE: Soils that have had their natural structure modified by manipulation
UF REMOLDING INDEX
NT REMOLDED CLAYS
RT COMPACTED SOILS
EARTH DAM CONSTRUCTION
--EMBANKMENT CONSTRUCTION RATING CONE INDEX
REMOLDED SOIL SAMPLES REMOLDED STRUCTURE (SOILS) use CLAY STRUCTURE REMOLDING INDEX 2 5
use RATING CONE INDEX
REMOLDED SOILS REMOLDING SENSITIVITY
use SENSITIVITY RATIO REMOLDING TESTS 3
BT CONCRETE TESTS
CONSISTENCY TESTS RT--AUTOMATIC CONTROL
AUTOMATION
--CONTROL FOU--REMOTE CONTROL AUTOMATION
--CONTROL EQUIPMENT
--ELECTRONIC EQUIPMENT
HYDRAULIC CONTROL
LIQUID LEVEL CONTROL
--MEASURING INSTRUMENTS
--OCEANOGRAPHIC INSTRUMENTS PNEUMATIC CONTROL PNEUMATIC INSTRUMENTS PRESSURE CONTROL PROCESS CONTROL -RECORDING INSTRUMENTS REMOTE HANDLING SERVOMECHANISMS
SPEED CONTROL TELECOMMUNICATION TELEMETRY TEMPERATURE CONTROL
--VEHICLE TEST INSTRUMENTS
--VEHICLE TESTS
WALKING VEHICLES REMOTE HANDLING RT REMOTE CONTROL REMOTE SENSING 1 2 5 7 RT AERIAL SURVEYS -- CAMERAS CAMOUFLAGE --ELECTROMAGNETIC RADIATION
--ELECTROMAGNETIC SENSORS
INFRARED MAPPING
INFRARED PHOTOGRAPHY -- INTELLIGENCE -- MAPPING -- MEASUREMENT MILITARY GEOGRAPHIC INTELLIGENCE PHOTOGRAMMETRY -- PHOTOGRAPHY --PHOTOGRAPH:
--RADAR
--REMOTE SENSING INSTRUMENTS
--SATELLITES (ARTIFICIAL)
SEISMIC INVESTIGATIONS -- SPECTROSCOPY TELECOMMUNICATION TELEMETRY TERRAIN ANALYSIS
--TERRAIN MAPPING TRACKING TECHNIQUES REMOTE SENSING INSTRUMENTS
UF MEASURING INSTRUMENTS
(REMOTE SENSING)
BT MEASURING INSTRUMENTS

AERIAL CONE PENETROMETERS
--AERIAL PENETROMETERS

REMOTE SENSING INSTRUMENTS (Con.)
--ELECTROMAGNETIC SENSORS
RADAR EQUIPMENT RT--DETECTORS
GAMMA RAY SPECTROMETERS
INFRARED DETECTORS INFRARED DETECTORS
LASERS
REMOTE SENSING
--TRAFFICABILITY TEST
INSTRUMENTS
ULTRAVIOLET INSTRUMENTS REOXYGENATION use REAERATION PAIRS 1 2 3 use MAINTENANCE REPAIRS REPAYMENT CONTRACTS BT CONTRACTS RT--AGREEMENTS NEGOTIATIONS REPEATED LOADS 2 3
use REPETITIVE LOADS REPETITIVE LOADING 2 3 4 6 use REPETITIVE LOADS REPETITIVE LOADS 2 3 4 6

UF CYCLIC LOADS
REPEATED LOADS
REPETITIVE LOADING
BT DYNAMIC LOADS
LOADS (FORCES)

RT ALTERNATING LOADS
FATIGUE (MATERIALS)
MACHINE FOUNDATIONS
SEISMIC INVESTIGATIONS
TRAFFIC LOADS
VIBRATORY LOADS
WEAPON FOUNDATIONS REPORT PREPARATION 1 2 3 4 5 6 7 ABSTRACTING TECHNICAL WRITING REPRODUCTION (COPYING)
RT MICROFILM REPTILES 7
BT VERTEBRATES
NT SNAKES
RT--AQUATIC ANIMALS WILDLIFE REQUIREMENTS QUIREMENTS 5
NT COMPACTION REQUIREMENTS
RT PROJECT PLANNING
--SPECIFICATIONS TEST PLANS RESEARCH 1 2 3 4 5 6 7
NOTE: Use of a more specific
term is recommended; consult
the terms listed below
BUILDING RESEARCH
CONCRETE TESTS
DESIGN ENGINEERING RESEARCH ENGINEERING RESEARCH FIELD TESTS HYDRAULIC RESEARCH LABORATORIES LABORATORY TESTS MANAGEMENT MILITARY RESEARCH MODEL TESTS OPERATIONS RESEARCH PROJECT PLANNING PROTOTYPE TESTS

REPORT PREPARATION RESEARCH AIRCRAFT RESEARCH PACILITIES RESEARCH (Con.)
ROAD RESEARCH
SOIL TESTS (LABORATORY)
SYSTEMS ENGINEERING
TECHNOLOGY
TEST PACILITIES
TEST PLANS

RESEARCH AIRCRAFT 2 4
NOTE: Designed for testing configurations
BT AIRCRAFT
RT FLYING PLATFORMS
JET AIRCRAFT
--MILITARY AIRCRAFT
SHORT TAKEOFF AND LANDING
AIRCRAFT
VERTICAL TAKEOFF AND LANDING AIRCRAFT

RESEARCH LABORATORIES 1 2 3 4 5 6 7 use LABORATORIES

RESEDIMENTED CLAYS BT CLAYS COHESIVE SOILS FINE GRAINED SOILS RT--SOIL TESTS (LABORATORY)

RESERVOIR AGGRADATION 1
use RESERVOIR SEDIMENTATION

RESERVOIR CAPACITY 1
RT CAPACITY REDUCTION
DETENTION RESERVOIRS
DRAFT-STORAGE CURVES EQUALIZING RESERVOIRS INFLOW
LOW-FLOW AUGMENTATION
MULTIPURPOSE RESERVOIRS PUMPED STORAGE
RESERVOIR CLEARING
RESERVOIR DESIGN
RESERVOIR OPERATION
RESERVOIR STORAGE
RESERVOIR SURVEYS --RESERVOIRS
--WATER MANAGEMENT
WATER QUALITY CONTROL
--WATER SUPPLY

RESERVOIR CLEARING 1
RT RESERVOIR CAPACITY
RESERVOIR DESIGN
RESERVOIR SEDIMENTATION
RESERVOIR SITES
RESERVOIR STORAGE
PESERVOIR SIDEAGE RESERVOIR SURVEYS -RESERVOIRS

WITHDRAWAL

RESERVOIR CONSTRUCTION BT CONSTRUCTION
RT--DAM CONSTRUCTION
--EARTH HANDLING EQUIPMENT EARTHWORK
--EXCAVATION HAULING RESERVOIR DESIGN RESERVOIR LININGS RESERVOIR SITES RESERVOIR SURVEYS -- RESERVOIRS

RESERVOIR DESIGN SERVOIR DESIGN I
RT-DAMS
FLOOD ESTIMATES
FLOOD FORECASTING
FLOOD ROUTING FREEBOARD IMPERVIOUS BLANKETS RESERVOIR CAPACITY

RESERVOIR DESIGN (Con.)
RESERVOIR CLEARING
RESERVOIR CONSTRUCTION
RESERVOIR EVAPORATION
RESERVOIR LEAKAGE
RESERVOIR OPERATION
RESERVOIR SITES
RESERVOIR STORAGE
RESERVOIR SURVEYS
--RESERVOIRS -- RESERVOIRS

RESERVOIR EVAPORATION BT EVAPORATION RT EVAPORATION CONTROL PAN EVAPORATION
RESERVOIR DESIGN
RESERVOIR OPERATION
--RESERVOIRS THERMAL GRADIENTS WATER CONSERVATION WATER LOSS

RESERVOIR LEAKAGE 1 2 BT LEAKAGE RT--GROUTING IMPERVIOUS BLANKETS RESERVOIR DESIGN RESERVOIR SEEPAGE -- RESERVOIRS --UNDERSEEPAGE UNDERSEEPAGE CONTROL

RESERVOIR LININGS 1 2 3
BT LININGS
RT--EARTH LININGS
IMPERVIOUS LININGS
IMPERVIOUS SOILS
RESERVOIR CONSTRUCTION
RESERVOIR SEEPAGE
--RESERVOIRS
--SEPAGE CONTROL -- SEEPAGE CONTROL --WATERPROOFING

RESERVOIR OPERATION DENSITY FLOW
DENSITY FLOW
DETENTION RESERVOIRS
DRAFT-STORAGE CURVES
DRAWDOWN CURVES
FISH MANAGEMENT
FLOOD CONTROL
HYDROELECTRIC PLANTS HIDROELECTRIC FLANTS
--IRRIGATION WATER
LOW-FLOW AUGMENTATION
MULTILEVEL OUTLETS
PUMPED STORAGE
RAPID DRAWDOWN
ESCENATION HAFID DHAWDOWN
RESERVOIR CAPACITY
RESERVOIR DESIGN
RESERVOIR EVAPORATION
RESERVOIR STORAGE
RESERVOIR YIELD
--RESERVOIRS RIVER FORECASTING SEDIMENT CONTROL
SELECTIVE LEVEL RELEASES
SYNTHETIC HYDROLOGY THERMAL GRADIENTS
WATER ALLOCATION
WATER CONTROL
WATER DISTRIBUTION

WATER LEVEL FLUCTUATIONS -WATER MANAGEMENT --WATER RESOURCES MANAGEMENT --WATER SUPPLY

RESERVOIR SEDIMENTATION 1 2
UF RESERVOIR AGGRADATION
RESERVOIR SILTING SILTING OF RESERVOIRS

RESERVOIR SEDIMENTATION (Con.) RESERVOIR SURVEYS (Con.) SEDIMENTATION
BED LOAD
CAPACITY REDUCTION
DEPOSITION SITE SELECTION TRIANGULATION NETS RESERVOIR SYSTEMS 1
RT MULTIPURPOSE RESERVOIRS
--RESERVOIRS DESILTING
RESERVOIR CLEARING
RESERVOIR DESIGN
RESERVOIR SURVEYS RESERVOIR YIELD 1
BT WATER YIELD
RT DISCHARGE (WATER)
FLOOD ROUTING
--HYDROLOGY -RESERVOIRS SEDIMENT CONCENTRATION SEDIMENT CONTROL SEDIMENT YIELD RESERVOIR OPERATION --SILTS -- RESERVOIRS RESERVOIR SEEPAGE 1 2 3 -- WATER SUPPLY BT SEEPAGE RT--GROUTING RESERVOIRS 1 2 3 4 6 7
NOTE: Natural or artificial
places where water is collected
and stored for use
UF STORAGE RESERVOIRS
BT IMPOUNDMENTS RESERVOIR LEAKAGE RESERVOIR LININGS -RESERVOIRS SEEPAGE CONTROL DESIGN UNDERSEEPAGE CONTROL AFTERBAYS
DETENTION RESERVOIRS
EQUALIZING RESERVOIRS
EVAPORATION RESERVOIRS RESERVOIR SILTING 1 2
use RESERVOIR SEDIMENTATION RESERVOIR SITES 1 2 FARM PONDS BUILDING SITES DAM SITES MULTIPURPOSE RESERVOIRS DAM SITES
EQUALIZING RESERVOIRS
RESERVOIR CLEARING
RESERVOIR CONSTRUCTION
RESERVOIR DESIGN
RESERVOIR SURVEYS
PERSERVOIRS AQUATIC HABITATS
AREA CAPACITY CURVES
BACKWATER BACKWATER PROFILES -BASINS (CONTAINERS) -RESERVOIRS -- DAMS -DAMS
DEAD STORAGE
DENSITY STRATIFICATION
-DEPLETION
DOMESTIC WATER --SITE PREPARATION (CONSTRUC-TION) SITE SELECTION --TOPOGRAPHY DRAWDOWN DRAWDOWN
--ELECTRIC POWER
EPILIMNION
--EVAPORATION
EVAPORATION CONTROL
--EXCAVATION
FISH MANAGEMENT
FLOOD CONTROL
FLOOD ROUTING
FRESH WATER
--HYDRAWLIC ENGINEERIN RESERVOIR STORAGE RT AREA CAPACITY CURVES
DEAD STORAGE
--DEPLETION --DEPLETION
DETENTION RESERVOIRS DRAFT-STORAGE CURVES EQUALIZING RESERVOIRS EQUALIZING RESERVOIRS
INFLOW
LOW-FLOW AUGMENTATION
MULTIPURPOSE RESERVOIRS
PUMPED STORAGE
RESERVOIR CLEARING
RESERVOIR DESIGN
RESERVOIR OPERATION
RESERVOIR SURVEYS
-RESERVOIR SURVEYS
-RESERVOIR MANAGEMENT --HYDRAULIC ENGINEERING --HYDRAULICS HYDROELECTRIC PLANTS
--HYDROELECTRIC POWER GENERA-TION HYPOLIMNION IMPERVIOUS BLANKETS INFLOW
INTAKE STRUCTURES
LAGOONS (LANDFORMS)
LAGOONS (PONDS)
--LAKES WATER MANAGEMENT
WATER QUALITY CONTROL
WATER STORAGE
--WATER SUPPLY --WITHDRAWAL LIMNOLOGY LOG BOOMS RESERVOIR STRATIFICATION 1
RT--RESERVOIRS
--STRATIFICATION (WATER) MEROMIXES -OUTLET WORKS PONDS PUMPED STORAGE STRATIFIED FLOW RECREATION -RECREATIONAL FACILITIES AREA CAPACITY CURVES
BACKWATER RESERVOIR SURVEYS -RECREATIONAL FACILITIES
RESERVOIR CAPACITY
RESERVOIR CLEARING
RESERVOIR CONSTRUCTION
RESERVOIR EVAPORATION
RESERVOIR LEAKAGE
RESERVOIR ININGS
RESERVOIR OPERATION
RESERVOIR SEDIMENTATION
RESERVOIR SEDIMENTATION
RESERVOIR SEPAGE
RESERVOIR SITES -- DAMS DEAD STORAGE DEAD STORAGE
--ELECTRIC POWER
FLOOD CONTROL
RESERVOIR CAPACITY
RESERVOIR CLEARING
RESERVOIR CONSTRUCTION
RESERVOIR DESIGN
RESERVOIR SEDIMENTATION
RESERVOIR SITES
RESERVOIR STEED RESERVOIR SITES
RESERVOIR STORAGE
RESERVOIR STRATIFICATION
RESERVOIR SURVEYS RESERVOIR STORAGE RESERVOIRS

SEDIMENT SAMPLING

RESERVOIRS (Con.)
RESERVOIR SYSTEMS
RESERVOIR YIELD
--SEDIMENTATION RESIDUAL STRESS MEASUREMENT (Con.) ROCK STRESS MEASUREMENT ROCK STRESSES SEDIMENTATION RATES BT MECHANICAL PROPERTIES RT REBOUND SEEPAGE SEEPAGE
SELECTIVE WITHDRAWAL
--SPILLWAYS
STANDING WATERS
--STRATIFICATION (WATER)
--SURFACE WATERS
--TANKS (CONTAINERS)
THERMOCLINES
TURBIDITY CURRENTS SHEAR PROPERTIES -- TENSILE PROPERTIES RESIN CEMENTS BT CEMENTS RT BITUMINOUS CEMENTS EPOXY RESINS MASONRY CEMENTS UNDERGROUND WATER STORAGE RESIN CONCRETE 2 3 5 NOTE: Concrete with resin as binder instead of portland --WATER
WATER LEVELS
WATER RESOURCES
--WATER STORAGE
--WATER SUPPLY
WATER SURPACE
WATER TANKS
--WATERWAYS (WATERCOURSES) cement
UP EPOXY CONCRETE
BT CONCRETES
RT CONCRETE-POLYMER MATERIALS EPOXY RESINS
POLYMER IMPREGNATED CONCRETE
--RESINS (SYNTHETIC) RESTDENCES USE RESIDENTIAL BUILDINGS RESINOUS SOIL STABILIZATION 2 5
BT SOIL STABILIZATION
RT BITUMINOUS SOIL STABILIZA-RESIDENTIAL BUILDINGS 3 4 6 DWELLINGS HOUSING EPOXY GROUTING
--RESINS (SYNTHETIC)
WATERPROOFING (SOILS) RESIDENCES BUILDINGS HOUSES GARAGES RESINS (SYNTHETIC) 2 3 5
UP SYNTHETIC RESINS
NT ACRYLIC RESINS
ALKYD RESINS PROTECTIVE CONSTRUCTION RADIOACTIVE FALLOUT RESIDUAL CLAYS 2
use RESIDUAL SOILS ALKYD RESINS
CHIOROPPENE RESINS
EPOXY RESINS
FURAN RESINS
PHENOLIC RESINS
POLYAMIDE RESINS
POLYESTER RESINS
POLYETTER RESINS
POLYETTYLENE
DOLYETTYLENE RESIDUAL SHEAR STRENGTH 2
UF ULTIMATE STRENGTH
BT MECHANICAL PROPERTIES
SHEAR STRENGTH RT--CREEP CREEP STRENGTH
DIRECT SHEAR TESTS
PEAK STRENGTH POLYPROPYLENE POLYSULFIDE RESINS PROGRESSIVE FAILURE
RESIDUAL STRESS
S TESTS (SOILS)
TORSION SHEAR TESTS (SOILS) POLYURETHANE RESINS SARAN (TRADEMARK) SILICONE RESINS SYNTHETIC RUBBER ULTIMATE STRENGTH --VINYL RESINS RT--ADHESIVES RESIDUAL SOILS 2
UP RESIDUAL CLAYS
NT LATERITES
SAPROLITES -- COATINGS -- COMPOSITE MATERIALS --ELASTOMERS --FIBERS RT--CLAYS --FILLERS
--HYDROCARBONS IMPERVIOUS LININGS IMPERVIOUS MEMBRANES WEATHERING (GEOLOGY) RESIDUAL STRESS 2 3 4
UF IN SITU STRESS
BT MECHANICAL PROPERTIES
STRESSES LATEX --LININGS LUBRICATION CONCRETE CREEP TESTS CONCRETE STRESSES MASTICS -PAINTS RESIN CONCRETE
RESINOUS SOIL STABILIZATION -- CREEP PROPERTIES -- CREEP TESTS RESIDUAL SHEAR STRENGTH
RESIDUAL STRESS MEASUREMENT
ROCK BURSTS
ROCK MECHANICS --SEALERS --SYNTHETIC FIBERS RESISTANCE ROCK STRESS MEASUREMENT ROCK STRESSES NT PRESSURE DRAG SHEAR DRAG SHEAR DRAG FLOW AROUND BRIDGE PIERS PLOW AROUND OBJECTS MOODY RESISTANCE DIAGRAMS RESISTANCE COEFFICIENTS ROUGHNESS COEFFICIENT VISCOCIETY STRAIN HARDENING STRESS RELAXATION RESIDUAL STRESS MEASUREMENT UF OVERCORING METHOD RT RESIDUAL STRESS VISCOSITY

RESOURCE CONSERVATION RESISTANCE COEFFICIENT 1 CONSERVATION
SOIL CONSERVATION
WATER CONSERVATION
WILDLIFE CONSERVATION RT BOUNDARY SHEAR -- DRAG -- FLUID MECHANICS FLUID RESISTANCE FRICTION COEFFICIENT FOREST MANAGEMENT GRASSLANDS KUTTER FORMULA LAMINAR FLOW LAND MANAGEMENT LAND RESOURCES MOODY RESISTANCE DIAGRAMS
--RESISTANCE LIMITING FACTORS NATIONAL PARKS SKIN FRICTION VISCOSITY -- NATURAL RESOURCES RANGES WALL FRICTION (HYDRAULICS)
--WATER TUNNELS -- RESOURCES SANCTUARY --WATER RESOURCES MANAGEMENT RESISTANCE EQUATIONS NT CHEZY EQUATION DARCY-WEISBACH EQUATION RESOURCE DEVELOPMENT 7
RT--RESOURCES HAZEN-WILLIAMS EQUATION KUTTER FORMULA RESOURCES MANNING EQUATION NT LAND RESOURCES
--NATURAL RESOURCES RESISTANCE (PENETRATION) 4
use PENETRATION RESISTANCE WATER RESOURCES RT--CONSERVATION -- RESOURCE CONSERVATION RESOURCE DEVELOPMENT RESISTANCE THERMOMETERS 3 6 use THERMOMETERS WATER SUPPLY RESISTIVITY METHODS 2
use RESISTIVITY SURVEYS RESPIRATION 7
RT--BIOGEOCHEMICAL CYCLE RESISTIVITY SURVEYS 2
UF ELECTRICAL METHODS
ELECTRICAL RESISTIVITY CARBON CYCLE
--METABOLISM --OXYGEN DEMAND PHOTOSYNTHESIS ELECTRICAL RESISTIVITY
EXPLORATION
RESISTIVITY METHODS
GEOPHYSICAL EXPLORATION
SUBSURFACE EXPLORATION
ELECTRICAL LOGGING
ELECTRICAL RESISTIVITY -- TRANSPIRATION RESTITUTION (MATERIALS) NOTE: Return to or recovering of a former state, as the restitution of an elastic body RT ELASTIC DEFORMATION --MECHANICAL PROPERTIES -- ELECTRODES SONANCE 1 2 3 4

NT ACOUSTIC RESONANCE
RT--ACOUSTIC PROPERTIES RESONANCE RESTRICTED CHANNELS BT CHANNELS WATERWAYS (TRANSPORTATION) --ACOUSTICS -ACOUSTICS
HORIZONTAL OSCILLATIONS
MACHINE FOUNDATIONS
-MECHANICAL PROPERTIES
NATURAL FREQUENCY RT--NAVIGATION
NAVIGATION CANALS
NAVIGATION CHANNELS
NAVIGATION CONDITIONS RESONANT FREQUENCY SEISMOLOGY SOUND WAVES ULTRASONIC TESTS ULTRASONICS RESURFACING (PAVEMENTS) 2 3 5 use OVERLAYS (PAVEMENTS) RETAINING WALLS 1 2 BT WALLS NT ANCHORED BULKHEADS VERTICAL OSCILLATIONS VIBRATION THEORY 1 2 3 --VIBRATIONS --WATER WAVES BUTTRESSED WALLS CANTILEVER WALLS COUNTERFORT WALLS RESONANCE TESTS 2 4
RT--DYNAMIC LOADS
DYNAMIC MODULUS OF
ELASTICITY
PULSE PROPAGATION TESTS
ROCK TESTS (LABORATORY)
SEISMIC INVESTIGATIONS
--VIBRATIONS COUNTERFORT W
CRIB WALLS
GRAVITY WALLS
QUAY WALLS
RT--ABUTMENTS --ANCHORS (STRUCTURES)
BACKFILLS -BULKHEADS COUNTERFORTS -EARTH PRESSURE
HORIZONTAL LOADS
RELIEVING PLATFORMS
SEA WALLS
-SHEET PILES
SHEET PILING RESONANT FREQUENCY 2 3 4 6
BT FREQUENCY
RT ACOUSTICS
--DAMFING --DAMFING
DISPLACEMENT
DYNAMIC RESPONSE
OSCILLATORS
--RESONANCE
SONIC TESTS
--VIBRATIONS SHEETING SHORE PROTECTION -SLIDES --SUPPORTS WALL FRICTION (SOILS)
WEEP HOLES

RESONATORS (WAVES) 1
use HARBOR OSCILLATIONS

RETARDANTS 2 3 5
NOTE: Any substance capable of reducing the speed of a given reaction
UF INHIBITING AGENTS RETARDERS
RETARDING AGENTS
NT RETARDANTS (CONCRETE)
RT ACCELERATING AGENTS --ADMIXTURES
--CALCIUM SULFATES
CORROSION INHIBITORS
--DAMPING --INHIBITORS
OIL WELL CEMENTS
--SOIL STABILIZATION
SURFACTANTS WATER REDUCING AGENTS RETARDANTS (CONCRETE) 3
NOTE: Admixture which delays
the setting of cement paste
and retards set of concrete
UF CONCRETE RETARDANTS
SET RETARDING AGENTS BT RETARDANTS
RT--CONCRETE ADMIXTURES CURING AGENTS RETARDERS use RETARDANTS RETARDING AGENTS 2 3 5 use RETARDANTS RETEMPERING UF REMIXING RT--CONCRETES MORTARS (MATERIAL) RETENTION DAMS 1 2 3 BT DAMS RT CHECK DAMS DEBRIS BARRIERS
FLOOD CONTROL
--IRRIGATION WATER RETRACTABLE PLUG DISPLACEMENT SAMPLERS 2 use DISPLACEMENT SAMPLERS RETROGRESSIVE EROSION BT EROSION
BT EROSION
RT DAM UNDERSEEPAGE
--LEAKAGE
LEVEE FAILURES
LEVEE UNDERSEEPAGE PIPING (SEEPAGE) SAND BOILS -- UNDERSEEPAGE RETURN FLOW 1 UF IRRIGATION WASTE WATER RETURN WATER FLOW FLUID FLOW IRIGATION WATER
CONSUMPTIVE USE
DIVERSION LOSS RETURNS --GROUNDWATER
--SEEPAGE
--STREAM FLOW
--SURFACE IRRIGATION WATER LOSS WATER POLLUTION SOURCES WATER RECLAMATION RETURN WATER 1 use RETURN FLOW REVERSE OSMOSIS DIFFUSION

The second second

REVERSE OSMOSIS (Con.) SEPARATION RT DESALTING --MEMBRANES --SEWAGE TREATMENT TERTIARY TREATMENT REVERSED TAINTER VALVES 1 VALVES REVERSIBLE TURBINES 1
BT HYDRAULIC TURBINES
NT DERIAZ PUMP TURBINE
--PUMP TURBINES
RT DRAFT TUBES
HIGH HEAD
PUMPED STORAGE
--REACTION TURBINES REVETMENT 1 2 3 NOTE: Protection for embankments and shorelines
NT ASPHALT REVETMENT
CONCRETE REVETMENT
FASCINES GABIONS
BANK EROSION
BANK PROTECTION
BANK STABILIZATION CHANNEL EROSION
CHANNEL IMPROVEMENT
CHANNEL STABILIZATION
--DAMS EMBANKMENT STABILITY
--EMBANKMENTS -- EROSION CONTROL FREEBOARD --LININGS --MATTRESSES --RIPRAP
--RIVER TRAINING STRUCTURES SEA WALLS
--SHEET PILES
SHORE PROTECTION
--SLOPE PROTECTION
SLOPE STABILIZATION --WATER WAVES REVETMENT (BALLISTIC PROTECTION) 3 4
RT AIRCRAFT SHELTERS
PROTECTIVE CONSTRUCTION -- WEAPONS EFFECTS REYNOLDS NUMBER 1
RT--BOUNDARY LAYER
BOUNDARY LAYER FLOW
BOUNDARY LAYER STABILITY
BOUNDARY SHEAR
CHEZY EQUATION
--CRITICAL FLOW
DARCY-WEISBACH EQUATION
--DISCHARGE (WATER)
--DISCHARGE COEFFICIENT
--FLOW --FLUID FLOW FROUDE NUMBER
HYDRAULIC SIMILITUDE -HYDRAULICS INVISCID FLOW
LAMINAR FLOW
MANNING EQUATION
MOODY RESISTANCE DIAGRAMS NEWTONIAN FLOW SCALE EFFECTS STEADY FLOW STREAM VELOCITY TRANSIENT FLOW TRANSITION FLOW TRANSITION POINTS TURBULENCE TURBULENT FLOW -VELOCITY VISCOSITY VISCOUS FLOW WALL FRICTION (HYDRAULICS)

BT MODELS NT BINGHAM MODEL BURGERS MODEL HELVIN MODEL
MAXWELL MODEL
PRAGER MODEL
NEWTONIAN LIQUID
RHEOLOGY --SIMULATION SPRINGS (MECHANICAL) --STRESS-STRAIN RELATIONS MECHANICAL PROPERTIES 3 4
MECHANICAL PROPERTIES
VISCOSITY
VISCOELASTICITY
CAPILLARITY RHEOLOGICAL PROPERTIES RT CAPILLARITY
--CREEP PROPERTIES
--DIFFUSIVITY
FRESH CONCRETES INTERNAL FRICTION
-MECHANICAL PROPERTIES PLASTICITY RHEOLOGY VISCOMETERS RHEOLOGY 1 2 3 4
NOTE: Science of the deformation and flow of matter
RT--CONSOLIDATION (SOILS)
--CREEP -- DEFORMATION --FLOW --MECHANICAL PROPERTIES NEWTONIAN LIQUID NON-NEWTONIAN FLOW PLASTIC DEFORMATION PLASTICITY --RHEOLOGICAL MODELS RHEOLOGICAL PROPERTIES VISCOELASTICITY VISCOPLASTICITY VISCOSITY RHEOTROPISM NOTE: Behavioral response of an organism, cell, or organ to a current of water RHODOPHYTA NOTE: Red algae BT ALGAE PLANTS (BOTANY) RHYOLITE TE 2 3 EXTRUSIVE ROCKS BT IGNEOUS ROCKS ROCKS BASALT GRANITE RT PERLITE PUMICE RICE FIELDS RT AGRICULTURE LAND USE -- TRAFFICABILITY VEGETATION RIDE DYNAMICS 5 UF OSCILLATIONS (VEHICLES) RIDE MEASUREMENT VEHICLE RIDE DYNAMICS
VEHICLE DYNAMICS
DRIVER RESPONSE
MICROGEOMETRY OFF-ROAD MOBILITY ON-ROAD MOBILITY ROAD TESTS (VEHICLES) SPRING DESIGN

RHEOLOGICAL MODELS 2 3 4 7

RIDE DYNAMICS (Con.)
--SUSPENSION SYSTEMS
(VEHICLES)
TERRAIN-VEHICLE
INTERACTION
--TRAFFICABILITY
VEHICLE MOTION
--VEHICLE PERFORMANCE
VEHICLE STABILITY
VIBRATIONS (VEHICLES) RIDE MEASUREMENT 5
use RIDE DYNAMICS RIGHT OF WAY 1 6 RT--AGREEMENTS CADASTRAL SURVEYS EASEMENTS EMINENT DOMAIN --LAND LAND ACQUISITION
LAND APPRAISAL
PUBLIC WORKS
RAILROAD RELOCATION ROAD ENGINEERING SITE SELECTION --SURVEYING RIGID BOUNDARIES 1 2 UF BOUNDARIES (RIGID) BOUNDARIES (RIGID)
FIXED BOUNDARIES
BOUNDARY CONDITIONS
-BOUNDARY LAYER
BOUNDARY SHEAR
FINITE ELEMENT METHOD FIXED-BED MODELS SETTLEMENT ANALYSIS RIGID FOUNDATIONS BT FOUNDATIONS
RT CONTACT PRESSURE
ELASTIC FOUNDATIONS -- FOOTINGS -- FOUNDATION DESIGN MAT FOUNDATIONS RIGIDITY ROCK FOUNDATIONS HIGID FHAME BRIDGES 3
BT BRIDGES
RT ARCH BRIDGES
CANTILEVER BRIDGES GIRDER BRIDGES
HIGHWAY BRIDGES
RAILROAD BRIDGES
RIGID FRAMES
SUSPENSION BRIDGES RIGID FRAMES 3
UF RIGID STRUCTURES
BT FRAMED STRUCTURES STRUCTURAL FORMS RT--ARCHES RIGID FRAME BRIDGES TRUSSES RIGID LININGS 1 2 3 use CONCRETE LININGS RIGID PAVEMENT CONSTRUCTION 2 3 5 MOTE: Includes material on airfields and highways RT CONCRETE PAVING MACHINES --PAVING EQUIPMENT (CONCRETE) RIGID PAVEMENT DESIGN (AIRFIELDS)
RIGID PAVEMENT DESIGN (HIGHWAYS)
--ROAD CONSTRUCTION RIGID PAVEMENT DESIGN (AIRFIELDS) BT DESIGN 2 3 5

RIGID PAVEMENT DESIGN
(AIRFIELDS) (Con.)
PAVEMENT DESIGN
RT AIRCRAFT LOADS
COEFFICIENT OF SUBGRADE
REACTION RIGID STRUCTURES use RIGID FRAMES RIGID TUBING 1 BT TUBES NT DRAFT TUBES --METAL PIPES
RT CAPILLARY TUBES
FLEXIBLE TUBING -PLATE BEARING TESTS
RIGID PAVEMENT CONSTRUCTION RIGID PAVEMENT DESIGN (HIGHWAYS) BT DESIGN 2 3 5 RIGID WHEELS MIRELS
MIRELS
FIEXIBLE WHEELS
RUBBER TIRES (NON-PNEUMATIC)
SOLID TIRES
--WHEELED VEHICLES PAVEMENT DESIGN
RT COEFFICIENT OF SUBGRADE REACTION
--PLATE BEARING TESTS
RIGID PAVEMENT CONSTRUCTION IGIDITY 2 3 4 6
BT MECHANICAL PROPERTIES
RT CLEAVAGE STRENOTH (ROCK)
FLEXURAL STRENOTH
FLEXURAL STRENGTH (CONCRETE)
FLEXURAL STRENGTH (CONCRETE)
--MODULUS OF DEPORMATION
--MODULUS OF ELASTICITY
DEPORTURATIONS RIGIDITY RIGID PAVEMENT FAILURES
(AIRFIELDS) 2 3 5
BT PAVEMENT FAILURES
RT RIGID PAVEMENT MAINTENANCE
RIGID PAVEMENT PERFORMANCE
AND EVALUATION (AIRFIELDS) RIGID PAVEMENT FAILURES
(HIGHWAYS) 2 3 5
BT PAVEMENT FAILURES
RT RIGID PAVEMENT MAINTENANCE
RIGID PAVEMENT PERFORMANCE
AND EVALUATION (HIGHWAYS) RIGID FOUNDATIONS SOLIDS STIFFNESS TOUGHNESS RIGS (PILE DRIVERS)
use PILE DRIVERS RIGID PAVEMENT MAINTENANCE 2 3 5 IGID PAVEMENT MAINTENANCE 2 3
NOTE: Includes material on airfields and highways
BT MAINTENANCE
RT CONCRETE OVERLAYS
CONCRETE PAVING MACHINES
--OVERLAYS (PAVEMENTS)
PAVEMENT DETERIORATION
--PAVING EQUIPMENT (CONCRETE)
RIGID PAVEMENT FAILURES
(AIRFIELDS)
RIGID PAVEMENT FAILURES
(HIGHWAYS)
ROAD MAINTENANCE
RUNWAY REPAIRS
SLABJACKING RIMS (WHEELS)
RT--TIRES
--WHEELS RING GIRDERS 3 BT GIRDERS RIP CURRENTS 1 BT WATER CURRENTS RT--WATER WAVES RIPARIAN RIGHTS 1 use WATER RIGHTS RIPPLE MARKS 1 2

NOTE: Undulating surface sculpture produced in incoherent granular materials by the wind, by currents of water, and by the agitation of water in wave action

BT SAND WAVES

RT--CURRENTS
--SANDS
--WATER CURRENTS RIGID PAVEMENT PERFORMANCE AND EVALUATION (AIRPIELDS) 2 5 BT PAVEMENT PERFORMANCE AND EVALUATION RT RIGID PAVEMENT FAILURES (AIRPIELDS) RIGID PAVEMENT PERFORMANCE AND EVALUATION (HIGHWAYS) 2 5
BT PAVEMENT PERFORMANCE AND EVALUATION
RT RIGID PAVEMENT FAILURES --WATER CURRENTS --WATER WAVES RIPPLE TANKS RT RIPPLES (HIGHWAYS) RIGID PAVEMENTS 2 3 4 5 UF CONCRETE PAVEMENTS CONCRETE ROADS RIPPLES 1 RT RIPPLE TANKS IPRAP 1 2 3
NT CERAMIC RIPRAP
RT APRONS (HYDRAULIC STRUCTURES)
ARMORING (STREAMBEDS)
BANK PROTECTION
BANK STABILIZATION
BANKS RIPRAP PAVEMENTS BT PAVEMENTS

NT CONTINUOUSLY REINFORCED

CONCRETE PAVEMENTS

RT -- CONCRETE CONSTRUCTION

CONCRETE FINISHES

(HARDENED CONCRETE)

CONCRETE FINISHING (FRESH CONCRETE OVERLAYS
CONCRETE PAVING MACHINES
--CONCRETE STRUCTURES --BLANKETS
--BREAKWATERS
CHANNEL STABILIZATION COBBLES DAM FACINGS
DIVERSION STRUCTURES
--EARTH DAMS DOWELS HEAVY LOAD PAVEMENTS -- PAVING -- PAVING EQUIPMENT (CONCRETE) TEST ROADS -- FMRANKMENTS -- EROSION CONTROL FREEBOARD

RIPRAP (Con.)
GRAVEL BLANKETS
--LININGS
PERVIOUS LININGS RIVER CLOSURES (Con.) RIVER DIVERSION PLUNGE BASINS -REVETMENT RIVER CONTRACTION 1
use CONTRACTIONS (HYDRAULICS) RIVER TRAINING RIVER TRAINING STRUCTURES RIVER CROSSINGS (FORDING)
use STREAM CROSSINGS ROCK BLANKETS RUBBLE SHORE PROTECTION
-SLOPE PROTECTION RIVER CURRENTS IVER CURRENTS 1
BT WATER CURRENTS
RT BANK EROSION
CHANNEL EROSION
CURRENT METERS
FLOOD FORECASTING
FLOOD ROUTING
--FLUID FLOW
--HYDROLOGY --STONES
--WATER WAVE ACTION RIVER BANK EROSION use BANK EROSION RIVER BANK PROTECTION 1 2 3 use BANK PROTECTION OPEN CHANNEL FLOW RIVER TRAINING RIVER BANK STABILIZATION 1 2 use BANK STABILIZATION RIVERS -- RUNOFF -RUNOFF
STREAM EROSION
-STREAM FLOW
STREAM GAGES
STREAM GAGING
-STREAMS RIVER BASIN DEVELOPMENT 1 6 UF RIVER BASIN PLANNING RT DRAINAGE SYSTEMS FLOOD CONTROL PLOODPLAIN ZONING HYDROELECTRIC PLANTS HYDROELECTRIC POWER VELOCITY DISTRIBUTION RIVER CUTOFFS IRRIGATION CUTOFFS 1
CUTOFFS (RIVERS)
BYPASSES
CHANNEL IMPROVEMENT
FLOOD CONTROL
RIVER TRAINING HARTIGATION
MUNICIPAL WATER
PUBLIC UTILITIES
RECREATIONAL FACILITIES
RIVER BASINS
WATER RESOURCES WATER RESOURCES DEVELOPMENT RIVER DISCHARGE RECORDS --WATER SUPPLY
WATERSHED MANAGEMENT use STREAM FLOW RECORDS RIVER DIVERSION 1 2 UF STREAM DIVERSION RT--COFFERDAMS RIVER BASIN PLANNING 1
use RIVER BASIN DEVELOPMENT DIVERSION RIVER BASINS 1 7 BT WATERSHEDS RT--BASINS (CONTAINER) --DRAINAGE DIVERSION CANALS
DIVERSION DAMS
--DIVERSION WORKS
FLOOD CONTROL
FLOODGATES
FLOODWAYS FLOOD CONTROL FLOOD FORECASTING --HYDROLOGY INTERBASIN WATER TRANSFERS LEVEES
RIVER CLOSURES
RIVER ENGINEERING
RIVER REGULATION PEAK RUNOFF POTAMOLOGY
--PRECIPITATION(METEOROLOGY)
RIVER BASIN DEVELOPMENT --RIVERS RIVER SYSTEMS RIVER ENGINEERING 1 2 4
BT CIVIL ENGINEERING
HYDRAULIC ENGINEERING
RT BANK PROTECTION
CHANNEL IMPROVEMENT
CHANNEL STABILIZATION --STREAM FLOW --SURFACE WATERS -- VALLEYS WATER CONSERVATION
--WATER TABLE
WATERWAYS (WATERCOURSES) CHANNEL STABILIZATION
DREDGING
FLOOD CONTROL
FLOOD PROTECTION
FLOODPLAIN PLANNING
HYDROELECTRIC PLANTS
POTAMOLOGY RIVER BEDS use STREAM BEDS RIVER BORES 1 use BORES (RIVER) RIVER DIVERSION RIVER REGULATION RIVER CHANNEL CONTROL use RIVER TRAINING --RIVERS SEDIMENT CONTROL RIVER FLOW RIVER CHANNEL IMPROVEMENT USE CHANNEL IMPROVEMENT 1 2 7 use STREAM FLOW RIVER FORECASTING 1
BT FORECASTING
RT FLOOD CONTROL
FLOOD FORECASTING
FLOOD ROUTING
FLUVIAL HYDRAULICS
HYDROGRAPH ANALYSIS
HYDROCOGIC DATA
HYDROMETEOROLOGY RIVER CLOSURES 1 2 BT CLOSURES RT COFFERDAMS --DAMS DIVERSION DAMS
DIVERSION TUNNELS
--DIVERSION WORKS

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RIVER FORECASTING (Con.)
--PRECIPITATION (METEOROLOGY)
RAIN AND RAINFALL
RECESSION CURVES
RESERVOIR OPERATION
RIVER FORECASTING
RIVER REGULATION
                                                                                                                             RIVER STABILIZATION 1 2 3
use CHANNEL STABILIZATION
                                                                                                                             RIVER STAGES 1
use STREAMFLOW RECORDS
                                                                                                                             RIVER SYSTEMS 1
RT DRAINAGE SYSTEMS
--FLUVIAL MORPHOLOGY
RIVER BASINS
          --RIVERS
         --RUNOFF
STAGE-DISCHARGE RELATIONS
STREAMFLOW FORECASTING
UNIT HYDROGRAPHS
                                                                                                                                       --RIVERS
                                                                                                                                          SYNTHETIC HYDROLOGY
          -- WATER SUPPLY FORECASTING
                                                                                                                                          TRIBUTARIES
RIVER HYDRAULICS 1
use FLUVIAL HYDRAULICS
                                                                                                                             RIVER TRAFFIC 1
use WATER TRANSPORTATION
RIVER ICE 1
UF ICE ON RIVERS, LAKES, ETC.
BT ICE
RT--FLOATING ICE
ICE COVER
ICE JAMS
ICE-WATER INTERFACES
BIJUEDS
                                                                                                                            RIVER TRAINING 1

UF CHANNEL CONTROL (RIVER)
RECTIFICATION (RIVER)
RIVER CHANNEL CONTROL
RIVER RECTIFICATION
STREAM TRAINING
RT BANK EROSION
BANK PROTECTION
BANK STABILIZATION
BYPASSES
CHANNEL EROSION
CHANNEL IMPROVEMENT
CHANNEL STABILIZATION
--DIKES (TRAINING STRUCTURES)
DREDGING
--EROSION CONTROL
              RIVERS
RIVER IMPROVEMENT 1 2 7
use CHANNEL IMPROVEMENT
RIVER MEANDERING
     USE MEANDERING STREAMS
RIVER MEANDERS
use MEANDERS
                                     1 2
                                                                                                                                         -EROSION CONTROL
FLUVIAL HYDRAULICS
     VER MODELS 1
use HYDRAULIC MODELS
RIVER MODELS
                                                                                                                                          MEANDERS
                                                                                                                                         -REVETMENT
                                                                                                                                      --RIPRAP
RIVER CURRENTS
RIVER CUTOFFS
RIVER REGULATION
RIVER MOUTHS
RT DELTAS
              ESTUARIES
          --RIVERS
                                                                                                                                       -- RIVER TRAINING STRUCTURES
RIVER POLLUTION 1 7
use STREAM POLLUTION
                                                                                                                                       --RIVERS
STEEL JACKS
WATER CONTROL
RIVER RECTIFICATION use RIVER TRAINING
                                                                                                                             RIVER TRAINING STRUCTURES 1 2 3
UF TRAINING STRUCTURES (RIVERS)
NT--DIKES (TRAINING STRUCTURES)
 RIVER REGIME
                                                                                                                                 RT--DAMS
                                                                                                                                      -- MATTRESSES
-- REVETMENT
RIVER REGULATION 1 2
NOTE: Artificially controlling
natural flow
RT BACKWATER PROFILES
BANK EROSION
BANK PROTECTION
CANALIZATION
CHANNEL IMPROVEMENT
CHANNEL STABILIZATION
--DAMS
                                                                                                                                       --RIPRAP
                                                                                                                                         RIVER REGULATION
RIVER TRAINING
                                                                                                                                      --RIVERS
                                                                                                                            RIVER TRANSPORTATION 1
use WATER TRANSPORTATION
                                                                                                                             RIVER WEIRS
          --DAMS
              DIKES (TRAINING STRUCTURES)
DREDGING
                                                                                                                                 use DAMS
             DREDGING
FLOOD CONTROL
FLOOD FORECASTING
FLOOD PROTECTION
FLUVIAL HYDRAULICS
HYDRAULIC ENGINEERING
                                                                                                                            RIVERINE TERRACES 1 2
UF STREAM TERRACES
BT TERRACES
                                                                                                                                          FLOOD PLAINS
          --HYDROGRAPHS
            -HYDROLOGY
                                                                                                                            RIVERS
                                                                                                                                        S 1 2 5 7
RUNNING WATERS
              LEVEES
              LOW-FLOW AUGMENTATION
MEANDERING STREAMS
MEANDERS
                                                                                                                                         STREAMS
SURFACE WATERS
                                                                                                                                TOPOGRAPHIC FEATURES
WATERWAYS (WATERCOURSES)
NT MAVIGABLE RIVERS
WILD RIVERS
RT--ALLUVIUM
BACKWATER PROPILES
BANK EROSION
           MEANDERS
POTAMOLOGY
RIVER DIVERSION
RIVER ENGINEERING
RIVER FORECASTING
RIVER TRAINING
-RIVER TRAINING STRUCTURES
                                                                                                                                         BANK EROSION
BANKS
         --RIVERS
                                                                                                                                     --BARS (RIVERINE)
BAYOUS
             STREAM EROSION
WATER CONTROL
                                                                                                                                         BRAIDED STREAMS
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RIVERS (Con.)	ROAD CONSTRUCTION (Con.)
CANYONS	RT AIRFIELD CONSTRUCTION
CHANNEL BEDS	AIRPORT CONSTRUCTION
CHANNELS	ASPHALT DISTRIBUTORS
DELTAS	CEMENT SOIL STABILIZATION
DRAINAGE SYSTEMS	COMPACTION EQUIPMENT
ESTUARIES	COMPACTION (SOILS)
FIXED-BED MODELS	DRAINAGE STRUCTURES
FLOOD CONTROL	EARTH HANDLING EQUIPMENT
FLOOD PLAINS	EARTHWORK
FLOOD PROTECTION	
	EXCAVATION
FLOODWAYS	FIELD UNIT WEIGHT DETERMINA
FLUVIAL MORPHOLOGY	TION
FRESH WATER	FIELD WATER CONTENT DETER-
GEOMORPHOLOGY	MINATION
GROUNDWATER HYDROLOGY	FLEXIBLE PAVEMENT CONSTRUC-
HARBORS	TION
HEADWATERS	HAULING
HYDRAULIC ENGINEERING	HIGHWAY EMBANKMENTS
HYDRAULIC GEOMETRY	HIGHWAY STRUCTURES
HYDRAULICS	MACADAM
HYDROGRAPHIC SURVEYS	MIXERS
HYDROLOGIC GEOMETRY	PAVING
INFLOW	PAVING EQUIPMENT
INLAND WATERWAYS	PROFILOMETERS
LAND-WATER INTERFACE	RIGID PAVEMENT CONSTRUCTION
MEANDERS	ROAD DESIGN
MOVABLE-BED MODELS	ROAD DRAINAGE
NONNAVIGABLE WATERS	ROAD ENGINEERING
PERENNIAL STREAMS	ROAD MACHINERY
POTAMOLOGY	ROAD MATERIALS
RIVER CLOSURES	ROADS
RIVER DIVERSION	SLIP FORMS
RIVER ENGINEERING	SOIL ASPHALT
RIVER FORECASTING	SOIL BLENDING
RIVER MOUTHS	SOIL CEMENT
RIVER REGULATION	SOIL (CONSTRUCTION
RIVER SYSTEMS	MATERIAL)
RIVER TRAINING	SOIL LIME
RIVER TRAINING STRUCTURES	SPREADERS
RUNOFF	
SEDIMENT	ROAD DESIGN 2 5
SEDIMENT TRANSPORT	UF HIGHWAY DESIGN
STREAM CROSSINGS	BT DESIGN
STREAM VELOCITY	RTBERMS
SUSPENDED LOAD	GEOMETRIC DESIGN
TRIBUTARIES	HIGHWAY EMBANKMENTS
VALLEYS	HIGHWAY STRUCTURES
WATER	PAVEMENT DESIGN
WATER RESOURCES	PAVEMENT MARKING
WATER SUPPLY	ROAD CAPABILITY MODELS
WATER SURFACE	ROAD CAPACITY
WATER SURFACE PROFILES	ROAD CONSTRUCTION
WATERSHEDS	ROAD DRAINAGE
	ROAD ENGINEERING
ROAD CAPABILITY MODELS 5	ROAD MATERIALS
UF VEHICLE ROAD COMPATIBILITY	ROAD RESEARCH
ANALYSIS AND MODIFICATION	ROAD SURFACES
SYSTEM (VRCAMS)	ROADS
VRCAMS (VEHICLE ROAD COMPAT-	ROADSIDE IMPROVEMENT
IBILITY ANALYSIS AND MOD-	ROUTE SURVEYS
IFICATION SYSTEM)	TRAFFIC LOADS
BT MATHEMATICAL MODELS	
MODELS	ROAD DRAINAGE 1 2 3 5
RT COMPUTERIZED MODELS	BT DRAINAGE
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MILITARY OPERATIONS	AIRPORT DRAINAGE
MILITARY ROADS	CARDBOARD DRAINS
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ROAD ENGINEERING	GUTTERS (PAVEMENTS)
ROADS	HIGHWAY STRUCTURES
TRAFFIC LOADS	PAVEMENT FAILURES
	PAVEMENT PERFORMANCE AND
ROAD CAPACITY 5	EVALUATION EVALUATION
RT ROAD CAPABILITY MODELS	ROAD CONSTRUCTION
ROAD DESIGN	ROAD DESIGN
ROAD ENGINEERING	ROAD MAINTENANCE
ROADS	ROADS
	SUBSURFACE DRAINAGE
ROAD CONSTRUCTION 2 3 5	SURFACE DRAINAGE
UF HIGHWAY CONSTRUCTION	SURFACE DRAINAGE
BT CONSTRUCTION	ROAD ENGINEERING 2 3 5 6
NT RAPID ROAD CONSTRUCTION	ROAD ENGINEERING 2 3 5 6 UF HIGHWAY ENGINEERING
MI MATID NOAD CONSTRUCTION	
	BT CIVIL ENGINEERING

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ROAD MATERIALS (Con.)
ROAD ENGINEERING (Con.)
     RT-BRIDGES
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--HIGHWAY STRUCTURES
                                                                                                                                                                -- ROCKS
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                                                                                                                                                                     MATERIAL)
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--PAVEMENT DESIGN
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RIGHT OF WAY
           --HIGHWAYS
                                                                                                                                                     ROAD OIL 2 5
use LIQUID ASPHALT
                                                                                                                                                     ROAD REPAIRS 2 3 5
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ROAD MAINTENANCE
ROAD MATERIALS
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ROAD DESIGN
ROAD ENGINEERING
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            -- ROADS
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FLEXIBLE
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      UF
                                                                                                                                                     ROAD SURFACING
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                                                                                                                                                           use PAVING
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MACADAM
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                                                                                                                                                    ROADBEDS 2 3
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--ROADS
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            -- PAVEMENTS
           --PAVEMENTS
--REIN PORCED CONCRETE
--ROAD CONSTRUCTION
ROAD DESIGN
ROAD ENGINEERING
ROAD RESEARCH
                                                                                                                                                                    STREETS
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-- ROADS

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--MINES (EXCAVATIONS)
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NOTE: Sudden and violent
failure around a mining
excavation
UF MINE BURSTS
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--MINES (EXCAVATIONS)
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ROCK FRACTURE
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BT BLANKETS
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RT DILANTANCY (ROCK)
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FOUNDATIONS FRACTURE MECHANICS FROZEN ROCKS	TENSILE STRENGTH (ROCK) RTBEARING CAPACITY BORING LOGS
FOUNDATIONS FRACTURE MECHANICS FROZEN ROCKSGEOLOGY	TENSILE STRENOTH (ROCK) RTBEARING CAPACITY BORING LOGS BRITTLENESS
FOUNDATIONS FRACTURE MECHANICS FROZEN ROCKS	TENSILE STRENGTH (ROCK) RTBEARING CAPACITY BORING LOGS
FOUNDATIONS FRACTURE MECHANICS FROZEN ROCKSGEOLOGY GEOPHYSICS GEOTECHNICAL ENGINEERING JOINTED ROCK	TENSILE STRENOTH (ROCK) RTBEARING CAPACITY BORING LOGS BRITTLENESSCHEMICAL PROPERTIESISOTROPIC ROCKS ISOTROPY
FOUNDATIONS FRACTURE MECHANICS FROZEN ROCKSGEOLOGY GEOPHYSICS GEOTECHNICAL ENGINEERING JOINTED ROCK LITHOLOGY	TENSILE STRENOTH (ROCK) RTBEARING CAPACITY BORING LOGS BRITTLENESSCHEMICAL PROPERTIESISOTROPIC ROCKS ISOTROPYLOGGING
FOUNDATIONS FRACTURE MECHANICS FROZEN ROCKSGEOLOGY GEOPHYSICS GEOTECHNICAL ENGINEERING JOINTED ROCK LITHOLOGYMECHANICAL PROPERTIESMINERALOGY	TENSILE STRENOTH (ROCK) RTBEARING CAPACITY BORING LOGS BRITTLENESSCHEMICAL PROPERTIESISOTROPIC ROCKS ISOTROPYLOGGING MATRICES (MATERIALS)MECHANICAL PROPERTIES
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FOUNDATIONS FRACTURE MECHANICS FROZEN ROCKSGEOLOGY GEOPHYSICS GEOTECHNICAL ENGINEERING JOINTED ROCK LITHOLOGYMECHANICAL PROPERTIESMINERALOGY	TENSILE STRENOTH (ROCK) RTBEARING CAPACITY BORING LOGS BRITTLENESSCHEMICAL PROPERTIESISOTROPIC ROCKS ISOTROPYLOGGING MATRICES (MATERIALS)MECHANICAL PROPERTIESMODULUS OF DEFORMATION POISSON RATIO
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FOUNDATIONS FRACTURE MECHANICS FROZEN ROCKSGEOLOGY GEOPHYSICS GEOTECHNICAL ENGINEERING JOINTED ROCK LITHOLOGYMECHANICAL PROPERTIESMINERALOGYMINES (EXCAVATIONS)MINING MINING ENGINEERING OVERBURDEN PETROFABRICS PETROFABRICS PETROGRAPHYPETROLOGY PRESPLITTING (BLASTING) RESIDUAL STRESS ROCK ANALYSIS ROCK BLASTING ROCK CLASSIFICATION	TENSILE STRENOTH (ROCK) RT-BEARING CAPACITY BORING LOGS BRITTLENESSCHEMICAL PROPERTIESISOTROPIC ROCKS ISOTROPYLOGGING MATRICES (MATERIALS)MECHANICAL PROPERTIESMODULUS OF DEFORMATION POISSON RATIO ROCK ANALYSIS ROCK CLASSIFICATION ROCK CREEPROCK DEFORMATION ROCK FAILURE ROCK FRACTURE ROCK MECHANICS ROCK STRESSESROCK TESTS (LABORATORY) ROCKFILL DAM DESION
FOUNDATIONS FRACTURE MECHANICS FROZEN ROCKSGEOLOGY GEOPHYSICS GEOTECHNICAL ENGINEERING JOINTED ROCK LITHOLOGYMECHANICAL PROPERTIESMINERALOGYMINES (EXCAVATIONS)MINING MINING ENGINEERING OVERBURDEN PETROGRAPHYPETROLOGY PRESPLITTING (BLASTING) RESIDUAL STRESS ROCK BLASTING	TENSILE STRENOTH (ROCK) RT-BEARING CAPACITY BORING LOGS BRITTLENESSCHEMICAL PROPERTIESISOTROPIC ROCKS ISOTROPYLOGGING MATRICES (MATERIALS)MECHANICAL PROPERTIESMODULUS OF DEFORMATION POISSON RATIO ROCK ANALYSIS ROCK CLASSIFICATION ROCK CREEPROCK DEFORMATION ROCK FAILURE ROCK FRACTURE ROCK MECHANICS ROCK STRESSESROCK TESTS (LABORATORY)
FOUNDATIONS FRACTURE MECHANICS FROZEN ROCKSGEOLOGY GEOPHYSICS GEOTECHNICAL ENGINEERING JOINTED ROCK LITHOLOGYMECHANICAL PROPERTIESMINERALOGYMINES (EXCAVATIONS)MINING MINING ENGINEERING OVERBURDEN PETROFABRICS PETROFABRICS PETROFARPHYPETROLOGY PRESPLITTING (BLASTING) RESIDUAL STRESS ROCK ANALYSIS ROCK ELASTING ROCK CLASSIFICATIONROCK DEFORMATION ROCK PRESSURE	TENSILE STRENOTH (ROCK) RT-BEARING CAPACITY BORING LOGS BRITTLENESSCHEMICAL PROPERTIESISOTROPIC ROCKS ISOTROPYLOGGING MATRICES (MATERIALS)MECHANICAL PROPERTIESMODULUS OF DEFORMATION POISSON RATIO ROCK ANALYSIS ROCK CLASSIFICATION ROCK CREEPROCK DEFORMATION ROCK FAILURE ROCK FRACTURE ROCK FRACTURE ROCK MECHANICS ROCK STRESSESROCK TESTS (LABORATORY) ROCKFILL DAM DESIGNROCKSSOIL PROPERTIES THERMAL CONDUCTIVITY
FOUNDATIONS FRACTURE MECHANICS FROZEN ROCKSGEOLOGY GEOPHYSICS GEOTECHNICAL ENGINEERING JOINTED ROCK LITHOLOGYMECHANICAL PROPERTIESMINERALOGYMINES (EXCAVATIONS)MINING MINING ENGINEERING OVERBURDEN PETROFABRICS PETROGRAPHYPETROLOGY PRESPLITTING (BLASTING) RESIDUAL STRESS ROCK ANALYSIS ROCK BLASTING ROCK CLASSIFICATIONROCK DEPORMATION ROCK FOUNDATIONS	TENSILE STRENOTH (ROCK) RT-BEARING CAPACITY BORING LOGS BRITTLENESSCHEMICAL PROPERTIESISOTROPIC ROCKS ISOTROPYLOGGING MATRICES (MATERIALS)MECHANICAL PROPERTIESMODULUS OF DEFORMATION POISSON RATIO ROCK ANALYSIS ROCK CLASSIFICATION ROCK CREEPROCK DEFORMATION ROCK FAILURE ROCK FACTURE ROCK MECHANICS ROCK STRESSESROCK TESTS (LABORATORY) ROCKFILL DAM DESIGNROCKSSOIL PROPERTIES

ROCK SAMPLERS 2
BT SAMPLERS
NT DIAMOND BIT CORE BARRELS
--DOUBLE TUBE CORE BARRELS ROCK STRESSES (Con.) ROCK CREEP
--ROCK DEFORMATION
ROCK FAILURE
ROCK PRESSURE --DOUBLE TUBE CORE BARRELS
SINGLE TUBE CORE BARRELS
SURFACE SAMPLERS (ROCK)
RT--CORE BORING SAMPLERS
HARD METAL TEETH CORE BARRELS
PERCUSSION CORE BARRELS -ROCK PROPERTIES
ROCK STRESS MEASUREMENT STRESS-STRAIN RELATIONS STRESS-STRAIN RELATIONS (ROCK) ROCK SAMPLING ROCK TEST SPECIMENS ROCK TEST SPECIMENS 2 3 UF ROCK SPECIMENS BT TEST SPECIMENS ROCK SAMPLING 2 3
BT SAMPLING
RT CONTINUOUS SAMPLING
--CORE BORING SAMPLERS POCK ANALYSIS
ROCK CLASSIFICATION ROCK CORES --CORE BORTING SAFE DELC ROCK CORES --ROCK SAMPLERS ROCK TEST SPECIMENS --ROCK TESTS (LABORATORY) ROCK SAMPLING --ROCK TESTS (LABORATORY) SOIL TEST SPECIMENS ROCK SAUSAGES ROCK TESTS (FIELD)
use FIELD TESTS ROCK TESTS (LABORATORY) 2 3 NT DIAMETRAL COMPRESSION TESTS ROCK SLOPES 2 4 BT SLOPES MOUNTAINS ROCK EXCAVATION (ROCK)
IMPACT TESTS INDIRECT TENSILE STRENGTH TESTS (ROCK) ROCKS PLANE STRAIN SHEAR TESTS (ROCK) ROCK SPECIMENS 2 3 use ROCK TEST SPECIMENS POLYAXIAL COMPRESSION TESTS ROCK STRENGTH 2 3 4
BT ROCK PROPERTIES
NT CLEAVAGE STRENGTH (ROCK)
COMPRESSIVE STRENGTH (ROCK)
FLEXURAL STRENGTH (ROCK)
SHEAR STRENGTH (ROCK)
TENSILE STRENGTH (ROCK)
RT-BEARING CAPACITY
BOLT TESTS
BORBHOLE EXPANSION TESTS
BRITTLE PAILURE
BRITTLEMESS (ROCK) PULSE PROPAGATION TESTS
ROCK CREEP TESTS
TORSION SHEAR TESTS (ROCK)
TRIAXIAL SHEAR TESTS (ROCK)
UNIAXIAL COMPRESSION TESTS
(ROCK) UNIAXIAL TENSION TESTS (ROCK) ACCEPTANCE TESTS
FOUNDATION INVESTIGATIONS HARDMESS TESTS
PERMEABILITY (ROCK)
RESONANCE TESTS
ROCK ANALYSIS
ROCK CLASSIFICATION
ROCK CORES BRITTLENESS FIELD PLATE BEARING TESTS FIELD PLATE BEARING TES FRACTURE MECHANICS IMPACT TESTS -JACKING TESTS -JECHANICAL PROPERTIES PRESSURE CHAMBER TESTS RADIAL JACKING TESTS ROCK BURSTS ROCK CLASSIFICATION ROCK CREEP -ROCK DEFORMATION ROCK DURABILITY ROCK FALLURE ROCK FRACTURE -- ROCK DEFORMATION ROCK FAILURE ROCK MECHANICS
--ROCK PROPERTIES
ROCK SAMPLING
--ROCK STRENGTH ROCK TEST SPECIMENS -- ROCKS --SOIL TESTS (LABORATORY)
TEST PROCEDURES ROCK FRAGMENTATION ROCK WEATHERING 1 2
USE WEATHERING (GEOLOGY) -ROCK TESTS (LABORATORY) --ROCKS --SOIL STRENGTH STRENGTH OF MATERIALS --STRENGTH THEORIES ROCK WOOL 3
BT FIBERS
MINERAL WOOL
RT--INSULATION ROCK STRESS MEASUREMENT 2 3 4
RT BOREHOLE DEPORMATION GAGES
FLAT JACKS
PRESSURE CELLS (ROCK)
RESIDUAL STRESS
RESIDUAL STRESS MEASUREMENT
ROCK STRESSES -- SYNTHETIC FIBERS ROCKET EXHAUST 2 3
RT BLAST LOADS
BLAST RESISTANT SURFACES
DUST CONTROL EXHAUST BLAST -- ROCKS ROCKET LAUNCHERS RT GUN LAUNCHERS ROCK STRESSES 2 3 4 BT STRESSES RT GUN LAUNCHING
--LAUNCHING SITES
--LAUNCHER LAUNCHER RESIDUAL STRESS RESIDUAL STRESS MEASUREMENT MISSILE LAUNCHERS ROCKET LAUNCHING ROCK BURSTS

ROCKET LAUNCHING 2 4
RT LAUNCHING PADS
LAUNCHING SITES
MISSILE LAUNCHING
MISSILE SILOS
ROCKET LAUNCHERS ROCKET PLANES 2 4 BT AIRCRAFT RT HYPERSONIC AIRCRAFT -MILITARY AIRCRAFT SUPERSONIC AIRCRAFT ROCKET PROPELLANTS PROPELLANTS RT--MISSILES -- ROCKETS ROCKET TRAJECTORIES 4
BT TRAJECTORIES
RT BALLISTIC TRAJECTORIES
MISSILE TRAJECTORIES --ROCKETS ROCKETS 4 6
UF NUCLEAR ROCKETS (NUCLEAR WEAPONS) ARTILLERY ROCKETS UNDERWATER ROCKETS AMMUNITION AMMUNITION
CONVENTIONAL WEAPONS
GROUND SUPPORT EQUIPMENT
GUIDED MISSILES
--INCENDIARY AMMUNITION --MISSILES
--MUNITIONS MUNITIONS INDUSTRY
--MNITIONS STORAGE
--NUCLEAR WEAPONS
--ORDNANCE -- PROJECTILES
PYROTECHNICS ROCKET PROPELLANTS ROCKET TRAJECTORIES SPACE FLIGHT --SPACE VEHICLES --WARHEADS WEAPON SYSTEMS ROCKFILL COFFERDAMS 1 2 COFFERDAMS DAMS EARTH COFFERDAMS ROCK FILLS ROCKFILL DAMS ROCKFILL COMPACTION use COMPACTION (SOILS) ROCKFILL DAM CONSTRUCTION 1 2 BT CONSTRUCTION
DAM CONSTRUCTION
EMBANKMENT CONSTRUCTION
RT-BORROW AREAS COMPACTION CONTROL (SOILS)
DUMPED FILLS -EARTH HANDLING EQUIPMENT EARTHWORK MOISTURE CONTROL QUARRYING ROCKFILL DAM DESIGN ROCKFILL DAM INSTRUMENTATION ROCKFILL DAMS ROLLED FILLS ROCKFILL DAM DESIGN 1 2 DAM DESIGN DESIGN EMBANKMENT DESIGN EARTH DAM DESIGN LEVEE DESIGN ~-ROCK PROPERTIES

ROCKFILL DAM CONSTRUCTION

ROCKFILL DAM DESIGN (Con.)

ROCKFILL DAM INSTRUMENTATION
ROCKFILL DAM PERFORMANCE
ROCKFILL DAM SEEPAGE
ROCKFILL DAM SETTLEMENT
ROCKFILL DAMS
SEEPAGE CONTROL DESIGN
--SLOPE STABILITY ANALYSIS ROCKFILL DAM INSTRUMENTATION 1
BT DAM INSTRUMENTATION
RT EARTH DAM INSTRUMENTATION
EMBANKMENT PIEZOMETERS
HORIZONTAL MOVEMENT DEVICES
ROCKFILL DAM CONSTRUCTION
ROCKFILL DAM DESIGN
ROCKFILL DAM SEEPAGE
ROCKFILL DAM SEEPAGE
ROCKFILL DAM SETTLEMENT
ROCKFILL DAMS
VERTICAL MOVEMENT DEVICES ROCKFILL DAM PERFORMANCE OCKFILL DAM PERFORMANCE 1 2
BT DAM PERFORMANCE
RT BASE PAILURES
EARTH DAM PERFORMANCE
EMBANKMENT PIEZOMETERS
ROCKFILL DAM DESIGN
ROCKFILL DAM INSTRUMENTATION
ROCKFILL DAM SEPAGE
ROCKFILL DAM SETTLEMENT
ROCKFILL DAMS
--SLOPE FAILURES
--SLOPE PROTECTION
SLOPE STABILITY
TOE PAILURES 1 2 TOE FAILURES ROCKFILL DAM SEEPAGE 1 2 BT SEEPAGE BT SEEPAGE RT CHIMNEY DRAINS CORE WALLS CORES (DAMS) DAM UNDERSEEPAGE EARTH DAM SEEPAGE IMPERVIOUS BLANKETS ROCKFILL DAM DESIGN
ROCKFILL DAM INSTRUMENTATION
ROCKFILL DAM PERFORMANCE
ROCKFILL DAMS TOE DRAINS ROCKFILL DAM SETTLEMENT 1 2
BT DEFORMATION
SETTLEMENT
RT EARTH DAM SETTLEMENT
ROCKFILL DAM DESIGN
ROCKFILL DAM INSTRUMENTATION
ROCKFILL DAM PERFORMANCE
ROCKFILL DAMS ROCK FILL DAMS DAMS ROCKFILL DAMS 3 4 **EMBANKMENTS** -COFFERDAMS I--COFFERDAMS
CORE WALLS
CORES (DAMS)
--EARTH DAMS
EARTH-ROCK MIXTURES
GRAVITY DAMS
IMPERVIOUS CUTOFFS
PHREATIC LINE
ROCK FILLS
ROCK MECHANICS
ROCKPILL COFFERDAMS ROCK MECHANICS
ROCKPILL COPPERDAMS
ROCKPILL DAM CONSTRUCTION
ROCKPILL DAM DESIGN
ROCKPILL DAM INSTRUMENTATION
ROCKPILL DAM PERPORMANCE
ROCKPILL DAM SEEPAGE
ROCKPILL DAM SETTLEMENT ROCKS NT ANDESITE

BASALT BEACH ROCKS

ROCKS (Con.)	ROCKS (Con.)
BEDROCK BRECCIA	ROCK DURABILITY
CALCAREOUS ROCKS	ROCK EXCAVATION
CARBONATE AGGREGATES	ROCK FAILURE ROCK FILLS
CARBONATE ROCKS	ROCK FLOUR
CHALKS CHERT	ROCK FOUNDATIONS
CLAY SHALES	ROCK FRACTURE
CLAYSTONES	ROCK FRAGMENTATION ROCK MASSES
CONGLOMERATE	ROCK MECHANICS
COQUINA	ROCK PROPERTIES
CRYSTALLINE ROCKS DIORITE	ROCK SAMPLERS
DOLERITE	ROCK SAMPLING
DOLOMITE	ROCK SLOPES ROCK STRENGTH
EXTRUSIVE ROCKS	ROCK STRESS MEASUREMENT
FROZEN ROCKS GABBRO	ROCK STRESSES
GNEISS	ROCK TEST SPECIMENS
GRANITE	ROCK TESTS (LABORATORY)STONES
GRAVELS	
IGNEOUS BRECCIAIGNEOUS ROCKS	ROCKSLIDES 2
INTRUSIVE ROCKS	BT EARTH MOVEMENTS
ISOTROPIC ROCKS	MASS WASTING SLIDES
LAVA	RTFLOWSLIDES
LIMESTONES LUNAR ROCKS	LANDSLIDE DAMS
MARBLE	LANDSLIDES ROCK CREEP
METAMORPHIC BRECCIA	ROCK DISPLACEMENT
METAMORPHIC ROCKS MUDSTONES	ROCK FALLS
MYLONITE	BOD MILLING O II G
OBSIDIAN	ROD MILLING 3 4 7 use GRINDING (COMMINUTION)
OIL SHALES	and distributed (desiring the state)
PEGMATITE PERLITE	ROD WAVES 2 3 4
PUMICE	use COMPRESSION WAVES
QUARTZITE	RODENTICIDES 7
RHYOLITE SANDSTONES	NOTE: Chemical or agent used to
SCHISTS	destroy or prevent damage by
SEDIMENTARY BRECCIA	rats or other rodent pests BT PESTICIDES
SEDIMENTARY ROCKS	POISONS
SHALES SILICEOUS ROCKS	DOLLUTTE (
SILTSTONES	ROLAMITE 6
SLATES	ROLL WAVES 1
SYENITE TACONITE	NOTE: Waves that occur in spill-
TONALITE	ways or deep channels BT WATER WAVES
TRACHYTE	WAVES
TUFF RTAGGREGATES	RT SLUG FLOW
BAUXITE	STILLING BASINS
BOULDERS	ROLLED FILL DAMS 1 2 3 4
BULKING	use EARTH DAMS
COBBLES CRUSHED STONE	BOLLED BILLS
EMBANKMENTS	ROLLED FILLS 2 BT FILLS
GEOLOGY	RT EARTH DAM CONSTRUCTION
JOINTED ROCK LITHOLOGY	ROCK FILLS
MAGMA	ROCKFILL DAM CONSTRUCTIONROLLERS
MANTLE (GEOLOGY)	NOLLENS
MINERAL DEPOSITSMINERALS	ROLLER-BEARING GATES 1
MINES (EXCAVATIONS)	BT HYDRAULIC GATES RT FLOODGATES
MINING	III FLOODDATES
MONOLITHS PETROGRAPHY	ROLLER BUCKETS 1
PHYSICAL GEOLOGY	NOTE: Devices to dissipate
PETROLOGY	energy RTSPILLWAYS
QUARRIES	
QUARRYING RESIDUAL SOILS	ROLLER GATES 1
ROAD MATERIALS	BT HYDRAULIC GATES RT FLOODGATES
ROCK BLASTING	GATE HOISTS
ROCK BOLTS ROCK BURSTS	SPILLWAY GATES
ROCK CLASSIFICATION	BOLLER-MOUNTED CATES
ROCK CORES	ROLLER-MOUNTED GATES 1 NOTE: A type of slide gate
ROCK CREEP	BT HYDRAULIC GATES
ROCK DRILLING	NT COASTER GATES
	STONEY GATES TRACTOR GATES
	THROTON UNIED

ROLLERS 2 ROTARY DRILLING (Con.) DLLERS 2)
MT GRID ROLLERS
MINE CLEARING ROLLERS
PNEUMATIC TIRED ROLLERS
--RUBBER TIRED ROLLERS
RUBBER TIRED VIBRATORY SAND PUMPS WASH BORING ROTARY KILNS 3 ROLLERS ROLLERS
SEGMENTED WHEEL ROLLERS
--SHEEPSFOOT ROLLERS
STEEL WHEEL ROLLERS
RT--COMPACTION EQUIPMENT
--CONSTRUCTION EQUIPMENT
ROLLED FILLS ROTARY PLOWS ROTARY PUMPS BT PUMPS NT CENTRIFUGAL PUMPS -- VIBRATORY COMPACTORS PROPELLER PUMPS ROLLING GATES 1 BT HYDRAULIC GATES MIXED PLOW PUMPS --PUMP TURBINES ROTARY VALVES 1
BT VALVES
RT--HYDRAULIC VALVES
--PNEUMATIC VALVES ROLLING RESISTANCE 5
use MOTION RESISTANCE ROOF BOLTS (ROCK MECHANICS)
use ROCK BOLTS BT AIRFOILS ROTORS ROTARY WINGS ROOFING RT ROOFS SHINGLES ROTATING COMES 2 RT--COME PENETROMETERS TILES ROOFS RT--BUILDINGS ROTATING METERS --FOLDED PLATES
INSULATING CONCETES RT STREAM GAGES -- VELOCITY METERS (FLUIDS) --PANELS ROOFING
--SHELLS (STRUCTURAL FORMS) ROTATIONAL FLOW 1 BT FLOW
RT CAVITATION
FLOW PATTERNS
--FLUID FLOW
JETS (FLUIDS)
MIXING ROOTERS use PLOWS ROSIN 3 RT AIR ENTRAINING AGENTS TURBULENCE TAMETER 1 2 use FLOWMETERS -- VORTICES ROTAMETER ROTATIONAL SHEAR EQUIPMENT ROTARY CORE BARRELS 2
BT CORE BOHING SAMPLERS
SAMPLERS
DI DENISON SAMPLERS
DIAMOND BIT CORE BARRELS
--DOUBLE TUBE CORE BARRELS
HARD METAL TEETH CORE
BARRELS
OUT THE CORE BARBELS use TORSION SHEAR EQUIPMENT ROTATIONAL SHEAR TESTS ause TORSION SHEAR TESTS ROTATIONAL SLIDES EARTH MOVEMENTS LANDSLIDES OIL FIELD CORE BARRELS PITCHER SAMPLERS SHOT CORE BARRELS SINGLE TUBE CORE BARRELS MASS WASTING SLIDES FRICTION CIRCLE METHOD SIMPLIFIED METHOD OF SLICES --SOIL CORE BARRELS WES SAMPLERS SLICES METHOD RT ROTARY DRILL RIGS
--ROTARY DRILLING ROTATIONAL WAVES (SOLID MEDIA) 2 4 use SHEAR WAVES ROTATIONAL WAVES (WATER)
UF TROCHOIDAL WAVES
BT WATER WAVES
WAVES ROTARY DRILL RIGS DRILL RIGS DRILLING EQUIPMENT RT ROCK DRILLING
--ROTARY CORE BARRELS
--ROTARY DRILLING ROTIFERS 7
NOTE: Aquatic animals in the phylum Rotifera, possessing circles of cilla at the anterior end
BT AQUATIC ANIMALS
AQUATIC MICROORGANISMS
INVERTEBRATES ROTARY DRILLING BT DRILLING CORE DRILLING BAILERS CONTINUOUS SAMPLE BORING --CORES DRILLING FLUIDS
GAS WELLS MICROORGANISMS PLANKTON OFFSHORE DRILLING
OIL WELLS
ROCK DRILLING
--ROTARY CORE BARRELS
ROTARY DRILL RIGS SESTON ZOOPLANKTON ROTORS NT IMPELLERS ROTARY WINGS RT TURBINE COMPONENTS

ROUGH FISH 7 BT AQUATIC ANIMALS RUBBER ADHESIVES 2 3 BT ADHESIVES RT--RUBBER FISHES CARP RUBBER BALLOON METHOD 2 5
UF WATER BALLOON METHOD
BT FIELD CONTROL TESTS (SOILS)
FIELD TESTS CATFISHES -- FRESHWATER FISHES ROUGHNESS DUGHNESS 1 5 6

NT--SURFACE ROUGHNESS
SURFACE ROUGHNESS (FLUIDS)
SURFACE ROUGHNESS (HYDRAULICS)
SURFACE ROUGHNESS (PAVEMENTS)
RT APPROACH GEOMETRY
DEPARTURE GEOMETRY
MICROGEOMETRY
OPERACIES FIELD UNIT WEIGHT DETERMINA-TION UNIT WEIGHT DETERMINATION
SAND CONE METHOD
--SOIL DENSITY MEASURING
DEVICES VOLUME MEASURE -- OBSTACLES RUBBER PIPES 1 BT CLOSED CONDUITS -- SURFACE GEOMETRY ROUGHNESS COEFFICIENT PIPES BED ROUGHNESS FLUID RESISTANCE HAZEN-WILLIAMS EQUATION RUBBER TIRED ROLLERS 2 5
BT COMPACTION EQUIPMENT
CONSTRUCTION EQUIPMENT HAZEN-WILLIAMS EQU/ HEAD LOSSES HYDRAULIC FRICTION KUTTER FORMULA MANNING EQUATION OPEN CHANNEL FLOW -RESISTANCE SURFACE ROUGHNESS (HYDRAUTICS) ROLLERS PNEUMATIC TIRED ROLLERS RUBBER TIRED VIBRATORY ROLLERS RT BASE COURSES KNEADING COMPACTION (HYDRAULICS) TEST CANALS SUBGRADES RUBBER TIRED VIBRATORY ROLLERS 2 5 TUNNEL HYDRAULICS BT COMPACTION EQUIPMENT CONSTRUCTION EQUIPMENT ROUGHNESS FACTOR 6
use SURFACE ROUGHNESS ROLLERS RUBBER TIRED ROLLERS VIBRATORY COMPACTORS ROUTE SURVEYS RT LEVELING ROAD DESIGN RUBBER TIRES (NON PNEUMATIC)
BT TIRES
RT RIGID WHEELS
SOLID TIRES
TIRE CHARACTERISTICS
TIRE STIFFNESS SURVEYING --SURVEYING INSTRUMENTS ROUTING NT FLOOD ROUTING STREAMFLOW ROUTING RUBBER TIRES (PNEUMATIC)
use PNEUMATIC TIRES RT BYPASSES -- CHANNELS DIVERSION STRUCTURES MATERIALS HANDLING RUBBERIZED TAR 2 5 UF TAR RUBBER BT TARS -PLANNING PRODUCTION CONTROL PRODUCTION CONTROL
SCHEDULING
--STREAM FLOW
STREAMFLOW DEPLETION
STREAMFLOW FORECASTING
--TRANSPORTATION
WATER CONTROL
--WATER STORAGE JET FUEL RESISTANT
MATERIALS
JET FUEL SPILLAGE (PAVEMENTS) --RUBBER RUBBERIZED-TAR PAVEMENTS RUBBERIZED-TAR PAVEMENTS
UP TAR RUBBER PAVEMENTS
BT FLEXIBLE PAVEMENTS ROW CHARGE CRATERING BT CRATERING RT ARRAY CHARGES --CRATERS PAVEMENTS JET FUEL SPILLAGE (PAVEMENTS) -- EXPLOSIVES RUBBERIZED TAR ROW CHARGES RUBBING (CONCRETE) ROW CHARGES use CONCRETE FINISHING (FRESH CONCRETE) RT ARRAY CHARGES --EXPLOSIVES ROW CHARGE CRATERING RUBBLE BBLE 1 3 RT--AGGREGATES DEBRIS ROWBOATS use BOATS -- MASONRY BBER 2 3 5
BT ELASTOMERS
NT NATURAL RUBBER
SYNTHETIC RUBBER RUBBER RUBBLE MASONRY RUBBLE-MOUND BREAKWATERS SHORE PROTECTION RT--FIBERS RUBBLE MASONRY 1 2 3 BT MASONRY RT GRAVITY WALLS MASONRY WALLS RUBBER ADHESIVES RUBBERIZED TAR RUBBERIZED-TAR PAVEMENTS SHOCK ISOLATION RUBBLE

RUBBLE-MOUND BREAKWATERS 1 2 3 BT BREAKWATERS RUNOFF (Con.)
HYDROLOGIC EQUATION HARBOR STRUCTURES MARINE STRUCTURES -HYDROLOGY INFILTRATION (WATER) ARMOR UNITS GASSHO BLOCKS LYSIMETERS MASS CURVES MAXIMUM PROBABLE FLOOD
-PRECIPITATION (METEOROLOGY)
PROBABLE MAXIMUM PRECIPITA-RUBBLE RUBIES 2 BT GEM MINERALS TION
RAIN AND RAINFALL
RAINFALL INTENSITY
RAINFALL-RUNOFF RELATIONSHIPS
RECESSION CURVES MINERALS SYNTHETIC RUBIES DIAMONDS RIVER BASINS
RIVER CURRENTS
RIVER FORECASTING
RIVER REGULATION RUNNING WATERS 1 7 NT EFFLUENT STREAMS EPHEMERAL STREAMS GEYSERS PERENNIAL STREAMS -RIVERS --RIVERS -- ROUTING -RUNNING WATERS
RUNOFF COEFFICIENT
RUNOFF FORECASTING --STREAMS TRIBUTARIES RT--CHANNELS --CONDUITS -SLOPES SNOW SNOWMELT -SOIL EROSION -- DRAINAGE --EROSION --SOIL EROSION
--STORMS
STREAM FLOW
STREAMFLOW DEPLETION
STREAMFLOW PORECASTING
SUBSURFACE RUNOFF
SURFACE GROUNDWATER RELATIONSHIPS
-SURFACE WATERS
SUSPENDED LOAD
SUSPENDED SOLIDS
TIME LAG --FLOODS --FLOODS
--FLOW
FRESH WATER
--GAGING STATIONS
--GEOMORPHOLOGY GROUNDWATER HYDROLOGIC CYCLE LOTIC ENVIRONMENT -RUNOFF SCOUR
--SEDIMENT LOAD
--SEDIMENT TRANSPORT
SEDIMENTATION
STANDING WATERS
STREAM EROSION
--SUBSURFACE WATERS
SUSPENDED LOAD
SUSPENDED SOLIDS TIME LAG VEGETATION EFFECTS WATER BALANCE
WATER CONSERVATION
WATER FLOW
WATER LOSS
--WATER YIELD
--WATERSHEDS RUNOFF COEFFICIENT JNOFF 1 7
NOTE: That part of precipitation
which flows off the land into
streams without sinking into
the soil or which enters the
ground and passes through to
streams as groundwater runoff
NT OVERLAND FLOW
PEAK RUNOFF
STORM RUNOFF
SUBSURFACE RUNOFF
SUBSURFACE RUNOFF
SURFACE RUNOFF
RT ANNUL FLOODS FF COMMITCHENT 1
PEAK DISCHARGE
PEAK FLOODS
PRECIPITATION INTENSITY
RAIMPALL-RUNOFF RELATIONSHIPS --RUNOFF RUNOFF FORECASTING --WATERSHEDS RUNOFF FORECASTING BT FORECASTING WATER SUPPLY FORECASTING ANNUAL FLOODS DEPTH-AREA-DURATION ANALYSIS DURATION CURVES ANNUAL PLOODS
BASE FLOW
DEPTH-AREA-DURATION ANALYSIS
DESIGN STORM
-DISCHARGE (WATER)
DEATMAGE PLOW DURATION
INPILTRATION
PRECIPITATION INTENSITY
RAINFALL INTENSITY -- DRAINAGE --DRAINAGE
DROUGHTS
DURATION CURVES
FLOOD CONTROL
-FLOOD FORECASTING
FLOOD HYDROGRAPHS
FLOOD PEAKS
FLOOD ROUTING
FLOOD WAVES RUNOFF COEFFICIENT SNOWMELT TIME SERIES ANALYSIS RUNWAY DAMAGE 2 3 5 BT DAMAGE
RT BOMB CRATER REPAIRS
EXHAUST BLAST EFFECTS
JET FUEL SPILLAGE (PAVEMENTS)
OVERLAYS (LANDING MATS)
--PAVEMENT PAILURES -FLOODS FLOW DURATION
FLOW DURATION CURVES
FLUVIAL HYDRAULICS
FREQUENCY CURVES RUNWAY REPAIRS --GEOMORPHOLOGY RUNWAY REPAIRS 2 3
RT BOMB CRATER REPAIRS
FLEXIBLE PAVEMENT MAINTENANCE
RIGID PAVEMENT MAINTENANCE
RUNWAY DAMAGE GLACIERS. -- HYDROGRAPHS

The state of the s

RUNWAY ROUGHNESS 2 3 5 use SURFACE ROUGHNESS (PAVEMENTS)

USE SURFACE ROUGHNESS (PAVEMENT
RUNWAYS 2 3 4 5
UF AIRPORT RUNWAYS
BT AIRCRAFT LANDING AREAS
NT SNOW RUNWAYS
UNSURFACED RUNWAYS
AIRFIELD CONSTRUCTION
AIRFIELDS
AIRPORT CONSTRUCTION
AIRPORTS
APRONS (AERONAUTICS)
LANDING FIELD CONSTRUCTION
--LANDING FIELD CONSTRUCTION
--LANDING STRIPS
MEMBRANES (AIRFIELDS)
OVERRUN BLAST AREAS
PARKING AREAS
--PAVEMENTS
PAVING
TAXIWAYS

RUPTURING 1
RT CRACKING (FRACTURING)
DAM BREACHES
--DAM FAILURES
RAPID DRAWDOWN

RURAL AREAS 5 6 7
RT AGRICULTURE
FARMS
LAND USE
REGIONAL PLANNING
--REGIONS
URBAN AREAS
ZONING

RUST INHIBITORS 3
use CORROSION INHIBITORS

RUST PREVENTION 3
use CORROSION RESISTANCE

RUSTING 3
BT CORROSION
RT CHEMICAL ATTACK
--CORROSION RESISTANCE
--DETERIORATION
GALVANIC CORROSION
IMMERSION TESTS (CORROSION)
PASSIVITY

RUT DEPTH 5
RT GROOVING (PAVEMENTS)
ONE-PASS PERFORMANCE
PRESSURE-SINKAGE RELATIONS
--SINKAGE
--TRAFFICABILITY
TRAFFICABILITY
DATA
VEHICLE SINKAGE

S TESTS (SOILS) 2 UF CONSOLIDATED DRAINED SHEAR SAFETY ENGINEERING 1 2 RT ACCIDENT PREVENTION ACCIDENTS TESTS DRAINED SHEAR TESTS -- BLASTING BUILDING CODES SHEAR TESTS
SHEAR TESTS
SHEAR TESTS
SOIL TESTS (LABORATORY)
DIRECT SHEAR TESTS
EFFECTIVE STRESS
PEAK STRENGTH -- CONSTRUCTION CONSTRUCTION CONTROL DESIGN STANDARDS DISASTERS ENVIRONMENTAL ENGINEERING
-- EXPLOSIONS
EXPLOSIVE STORAGE
-- EXPLOSIVES PEAR SIREMAIN FLANE STRAIN SHEAR TESTS (SOILS) RESIDUAL SHEAR STRENOTH STRESS-STRAIN CURVES TRIAXIAL SHEAR TESTS (SOILS) FIRE PREVENTION FIRE PROTECTION S WAVES 2 4 use SHEAR WAVES HAZARDOUS MATERIALS - HAZARDS HUMAN FACTORS ENGINEERING
-- INSPECTION SAFE LOADS 2 use ALLOWABLE LOADS -- MAINTENANCE
MINING ENGINEERING
NUCLEAR ENGINEERING
NUCLEAR EACTOR CONTAINMENT 1 2 3 4 5 6 ACCIDENT PREVENTION FIRE PREVENTION SAFETY RADIATION HAZARDS RADIOACTIVE CONTAMINATION ACCIDENTS ALLOWABLE BEARING CAPACITY RADIOLOGICAL DEFENSE
SAFETY
SAFETY DEVICES
SHELTER CONSTRUCTION
SHELTER DESIGN
SHELTER ENTRANCES BLAST RESISTANT STRUCTURES BRACED EXCAVATIONS BRACED EXCAVAL BRACINGS BUILDING CODES CIVIL DEFENSE CONSTRUCTION SHELTER OCCUPANCY SHELTER TESTS -- CONSTRUCTION CONTROL
-- DAM PERFORMANCE SPECIFICATIONS TRAFFIC SAFETY -- DESIGN DESIGN STANDARDS VENTILATION WARNING SYSTEMS DETONATION DISASTERS DRIVER RESPONSE
-- EXPLOSIONS Y FACTOR 1 2 3
ALLOWABLE LOADS
BUILDING CODES
CRITICAL CIRCLE
CRITICAL HEIGHT
CRITICAL SLOPE
CRITICAL SURFACE
DAY STRAILLING SAFETY FACTOR 3 6 -- EXPLOSIVE ORDNANCE DISPOSAL EXPLOSIVE STORAGE FIRES HAZARDOUS MATERIALS - HAZARDS HUMAN FACTORS ENGINEERING - INSPECTION - LIGHTING DAM STABILITY
-- DESIGN DESIGN DATA
DESIGN STANDARDS
LIMIT DESIGN
RELIABILITY -- MAINTENANCE
-- MAINTENANCE
-- MARKING
-- MINES (EXCAVATIONS)
MINING ENGINEERING SAFETY
SLOPE STABILITY
-- SLOPE STABILITY ANALYSIS
SPECIFICATIONS MOUNDED STRUCTURES MUNITIONS STORAGE NUCLEAR RADIATION NUCLEAR REACTOR CONTAINMENT STABILITY NUMBERS
-- STRUCTURAL DESIGN
-- STRUCTURAL STABILITY PROTECTION
PROTECTIVE CONSTRUCTION
PROTECTIVE STRUCTURES
RADIATION HAZARDS
RADIATION HAZARDS
RADIATION INJURIES
RADIOLOGICAL DEPENSE SAFETY VALVES BT VALVES 1 RELIABILITY
SAFETY DEVICES
SAFETY ENGINEERING
SAFETY FACTOR SAILING use BOATING ST. VENANT EQUATION RT--UNSTEADY FLOW SAFETY FACTOR
-- SECURITY
SHELTER OCCUPANCY
-- SHELTERS
SLOPE STABILITY
SPECIFICATIONS SALAMANDERS NOTE: Devices used to keep concrete and plaster from freezing during cold weather construction RT CARBONATION COLD WEATHER CONSTRUCTION -- HEATING SUBSIDENCE TOXICITY
- UNDERGROUND STRUCTURES
- VEHICLE STABILITY
- WARNING SYSTEMS SALINE GROUNDWATER 1 7 SAFETY DEVICES BT GROUNDWATER SUBSURFACE WATERS RT-- HAZARDS HUMAN FACTORS ENGINEERING RT--SALINITY
SALT WATER BARRIERS
SALT WATER-FRESHWATER INTER-FACES PROTECTION
RADIATION MEASURING INSTRUMENTS SAFETY SAFETY ENGINEERING

The second secon

-- SHIELDING -- MEASURING INSTRUMENTS VEHICLE STABILITY

SALT WATER INTRUSION

SALINE LAKES 1 SALT REMOVAL RT DESALTING
LAND RECLAMATION
LEACHING (SOILS) BT LAKES SURFACE WATERS RT--ESTUARIES SALINITY SALT SCALING (CONCRETE)
use SCALING (CONCRETE) -- SALT WATER SALINE SOILS 2 5
NOTE: Nonalkaline soils containing sufficient soluble salts to impair their productivity
RT ACID SOILS
AGRICULTURAL ENGINEERING SALT SOIL STABILIZATION 2 BT CHEMICAL SOIL STABILIZATION SOIL STABILIZATION SALT SPRAY TESTS 3
BT CORROSION TESTS
RT ACID RESISTANCE TESTS
IMMERSION TESTS (CORROSION)
STRESS CORROSION TESTS ALKALINE SOILS
-- SALINITY SALT WATER SOIL SALINITY -- SOIL SCIENCE SULFATE ATTACK SALT VELOCITY METHOD (DISCHARGE MEASUREMENT) 1 BT DISCHARGE MEASUREMENT RT BRINES SALINE WATER 1
use SALT WATER 1 2 3 4 7 -- DIFFUSION
GIBSON METHOD (DISCHARGE
MEASUREMENT)
-- GROUNDWATER FLOW
INJECTORS
OPEN CHANNEL FLOW
PIPE FLOW -- DIFFUSION SALINE WATER DEMINERALIZATION 1 3 7 use DESALTING ALINITY 1 2 3 7
UF CHLORINITY
BT CHEMICAL PROPERTIES
NT SOIL SALINITY SALINITY SALT WATER 1 2 3 4 7
UF SALINE WATER
BT WATER
NT BRACKISH WATER BRINES DESALTING DESALTING
SALINE GROUNDWATER
SALINE LAKES
SALINE SOILS
-- SALT WATER
SALT WATER BARRIERS
SALT WATER INTRUSION BRINES RT-- CORROSION DESALTING PRESH WATER
MARINE ATMOSPHERES
MINERAL WATERS
POTABLE WATER
SALINE LAKES
SALINE SOILS -SALTS
SEA WATER
WATER PROPERTIES
WATER QUALITY SALINITY INTRUSION 1 2
use SALT WATER INTRUSION -- SALINITY
SALT MARSHES
SALT WATER INTRUSION SALINITY METERS 1 RT SALT WATER BARRIERS SEA WATER
SULFATE ATTACKS
--SURFACE WATERS
WATER POLLUTION SOURCES SALINOMETERS OMETERS 1
MEASURING INSTRUMENTS SALT WATER BARRIERS 1
UF SEA WATER BARRIERS
BT BARRIERS SALMON 7 BT ANADROMOUS FISH AQUATIC ANIMALS FISHES BRINES VERTEBRATES
RT--FRESHWATER FISHES
--MARINE ANIMALS
MARINE FISHES DRAINAGE SYSTEMS GROUNDWATER HYDROLOGY GROUNDWATER RECHARGE RECHARGE WELLS SALINE GROUNDWATER LT 2 3
use SODIUM CHLORIDE SALINITY SALINITY METERS SALT WATER INTRUSION WELL SPACING SALT DILUTION METHOD (DISCHARGE MEASUREMENT) 1 use DILUTION METHOD (DISCHARGE MEASUREMENT) SALT WATER CONVERSION 1 3 7
use DESALTING SALT DOMES SALT WATER ENCROACHMENT : use SALT WATER INTRUSION ALT DOMES 2
BT DOMES (GEOLOGY)
RT ANHYDRITE
-- INTRUSIONS (GEOLOGY)
PETROLEUM GEOLOGY
SODIUM CHLORIDE SALT WATER FRESHWATER INTERFACES
BT BOUNDARIES (SURFACES)
RT ENCROACHMENT SALT MARSHES 1 7
NOTE: Marshes in which the water
is salty or brackish, with greater
salinity than fresh water
BT MARSHES
UNETIANIC ESTUARIES OIL WELLS SALINE GROUNDWATER SALT WATER INTRUSION SALT WATER INTRUSION NOTE: Invasion of salt water into a body of fresh water, occur-ring in either surface or ground-water bodies WETLANDS RT COASTAL MARSHES
-- SALT WATER INTRUSION

TIDAL MARSHES

SALT WATER INTRUSION (Con.)
UF SALINITY INTRUSION
SALINITY WEDGE
SALT WATER ENCROACHMENT
SALT WATER WEDGES
SEA WATER INTRUSION SALVAGE 6 7
NOTE: Utilization of waste materials
RT EXTRACTION
-- RECLAMATION SCRAP RT- - AQUIFERS SAMPLE DISTURBANCE 2
RT AREA RATIO (SAMPLING)
DISTURBED SAMPLING
RECOVERY RATIO (SAMPLING)
REMOLDED SOIL SAMPLES DENSITY CURRENTS ESTUARIES ESTUARY MODELS GROUNDWATER HYDROLOGY
GROUNDWATER RECHARGE
INFILTRATION (WATER) SAMPLING SEDIMENT SAMPLING -- INTERFACES OCEAN TIDES -- PENETRATION SOIL SAMPLING UNDISTURBED SAMPLING UNDISTURBED SOIL SAMPLES PUMPING SALINE GROUNDWATER -- SALINITY SAMPLE LINERS RT--SAMPLERS -- SALINITY
SALT MARSHES
-- SALT WATER
SALT WATER BARRIERS
SALT WATER- FRESHWATER INTERFACES -- SAMPLING UNDISTURBED SAMPLING UNDISTURBED SOIL SAMPLES SAMPLERS 1 2 3 5 7
NT AUGER CORE BARRELS
-- AUGERS
BARREL AUGERS
BUCKET AUGERS
CONTINUOUS FLIGHT AUGERS
-- CORE BORING SAMPLERS
CUP SAMPLERS SEA LEVEL CHANGES SEA WATER -- SEEPAGE -- SUBSURFACE WATERS TIDAL HYDRAULICS TIDAL MARSHES -- TIDES DENISON SAMPLERS
DIAMOND BIT CORE BARRELS
DISPLACEMENT SAMPLERS
DOUBLE TUBE AUGER SAMPLERS
-- DOUBLE TUBE CORE BARRELS
-- DRIVE SAMPLERS WATER LEVELS
WATER POLLUTION SOURCES SALT WATER WEDGES 1 2
use SALT WATER INTRUSION SALTATION 1 NOTE: Stream transportation of sediment by intermittent leaps -- EXPLORATION SAMPLERS FIXED PISTON SAMPLERS FIXED PISTON SAMPLERS
FREE PISTON SAMPLERS
HAND AUGERS
HAND METAL TEETH CORE BARRELS
HELICAL AUGERS
HYDRAULIC PISTON SAMPLERS
ICE SAMPLERS
OCEAN BOTTOM SAMPLERS
OIL FIELD CORE BARRELS
--OPEN DRIVE SAMPLERS
PERCUSSION CORE BARRELS
PERCUSSION DRIVE SAMPLERS
PISTON SAMPLERS
PITCHER SAMPLERS
PITCHER SAMPLERS
--POWER AUGERS
--ROCK SAMPLERS and bounds
BT SEDIMENT TRANSPORT
RT BED LOAD BED LOAD
CHANNEL EROSION
CRITICAL TRACTIVE FORCE
SEDIMENT LOAD
SEDIMENT SAMPLERS
SEDIMENTOLOGY
SUSPENDED SOLIDS SALTS NT- ALUMINATES
AMMONIUM NITRATES
CALCIUM ALUMINATES
-- CALCIUM CARBONATES -- ROCK SAMPLERS
-- ROTARY CORE BARRELS
SEDIMENT SAMPLERS
SHORT PISTON SAMPLERS CALCIUM CHLORIDES
CALCIUM CHLORIDES
CALCIUM NITRATES
-- CALCIUM SILICATES
-- CALCIUM SULFATES SHORT PISTON SAMPLERS
SHOT CORE BARRELS
SIDE WALL SAMPLERS
SINGLE TUBE CORE BARRELS
SLIT TUBE SAMPLERS
SNOW SAMPLERS
- SOIL CORE BARRELS
- SOIL SAMPLERS
SPLIT SPOON SAMPLERS
SURFACE SAMPLERS (SOILS)
SWEDISH FOIL SAMPLERS
THICK WALL OPEN SAMPLERS
THIN WALL OPEN SAMPLERS
WES SAMPLERS
WES SAMPLERS
AREA RATIO (SAMPLING) -- CARBONATES -- CHLORIDES PHOSPHATES PHOSPHATES
- SILICATES
SODIUM ALUMINATES
SODIUM CARBONATES
SODIUM CHLORIDE
SODIUM NITRATES
SODIUM SILICATES SODIUM SULFATES RT-- ACIDS -- ALKALIES AREA RATIO (SAMPLING) BAILERS BORING EFFLORESCENCE -- DRILLING -- DRILLING EQUIPMENT EXTRUDERS (SOILS) RECOVERY RATIO (SAMPLING) SAMPLE LINERS ELECTROCHEMICAL INJECTION ELECTROLYTES EVAPORITES LAGOON DEPOSITS SALINE SOILS -- SAMPLES SALINE SOILS
SALINITY
SALT SOIL STABILIZATION
SALT WATER
SALT WATER INTRUSION
SOIL SALINITY SAND PUMPS -- TEST SPECIMENS -- TRAFFICABILITY TEST INSTRUMENTS WATER SAMPLING

SAMPLES 1 2 3 7 NT CONCRETE SAMPLES SOIL SAMPLES RT-- CORES SAMPLERS -- SAMPLING STATISTICAL SAMPLES SAMPLING 1 2 3 5 6 7 NOTE: Excludes statistical sampling
CONTINUOUS SAMPLING
DISTURBED SAMPLING
ICE SAMPLING ROCK SAMPLING SEDIMENT SAMPLING SEDIMENT SAMPLING
SNOW SAMPLING
SOIL SAMPLING
SURFACE AND CONTROL SAMPLING
UNDISTURBED SAMPLING
WATER SAMPLING
ACCEPTABLILITY
AREA BRIDE (SAMPLING) AREA RATIO (SAMPLING) - BORING AND SAMPLING RECORDS
- CHEMICAL ANALYSIS
- CHEMICAL TESTS
CONCRETE SAMPLES -- CORES
-- DRILL RIGS
-- DRILLING
EXTRUDERS (SOILS)
-- FIELD TESTS
-- FORECASTING
INSPECTION
MATERIALS CONTROL
MATERIALS ENGINEERING
-- MEASIBEMENT -- MEASUREMENT - QUALITY CONTROL RECOVERY RATIO (SAMPLING) RELIABILITY
REMOLDED SOIL SAMPLES
SAMPLE DISTURBANCE
SAMPLE LINERS -- SAMPLES -- STANDARDS -- SUBSURFACE EXPLORATION TEST PROCEDURES
-- TEST SPECIMENS UNDISTURBED SOIL SAMPLES VARIABILITY SAMPLING (STATISTICS) 1 2 3 4 5 6 7
UF STATISTICAL SAMPLING
RT SEQUENTIAL ANALYSIS
--STATISTICAL ANALYSIS
STATISTICAL QUALITY CONTROL
STATISTICAL SAMPLES
STATISTICAL TESTS
STATISTICAL SAMPLES
STATISTICAL SAMPLES
STATISTICAL TESTS SANCTUARY NOTE: Area for the preservation and protection of organisms RT--CONSERVATION -- RESOURCE CONSERVATION WILDLIFE CONSERVATION SAND BARS ND BARS 1 2 use SANDBARS SAND BLAST ABRASION TESTS 3
use ABRASION TESTS SAND BLASTING 3
NOTE: Use of sand, etc., for cleaning concrete surfaces
BT ABRASIVE BLASTING
RT AIR WATER JETS
CONCRETE FINISHES (HARDENED CONCRETE) CONCRETE SURFACES CONSTRUCTION JOINTS HIGH PRESSURE WATER

SAND BOILS 1 2
UF BOILS (SAND)
RT ARTESIAN PRESSURE
ARTESIAN WATER BLOWOUTS
CRITICAL GRADIENTS
-- DAM FAILURES
-- DAM PERFORMANCE -- FLOODS -- FOUNDATIONS -- GROUNDWATER FLOW LEVEE FAILURES PIPING (SEEPAGE) QUICKSAND RELIEF WELLS RETROGRESSIVE EROSION -- SEEPAGE SEEPAGE PRESSURE -- UNDERSEEPAGE SAND CONE METHOD 2 5
NOTE: Method for measuring soil density
UF SAND DISPLACEMENT METHOD
BT FIELD CONTROL TESTS (SOILS)
FIELD TESTS
FIELD UNIT WEIGHT DETERMINATION
UNIT WEIGHT DETERMINATION
RT RUBBER BALLOON METHOD
-- SOIL DENSITY MEASURING DEVICES
VOLUME MEASURE VOLUME MEASURE SAND DISPLACEMENT METHOD 2
use SAND CONE METHOD SAND DRAIN CONSTRUCTION BT CONSTRUCTION RT BOREHOLES PRELOAD FILLS
PRELOADING (SOILS)
SETTLEMENT CONTROL SAND DRAIN DESIGN 2
RT--CONSOLIDATION TESTS (SOILS)
--FIELD PERMEABILITY TESTS
PERMEABILITY (SOILS)
PRELOAD FILLS
SAND DRAIN THEORY SAND DRAIN PERFORMANCE 2 RT PORE PRESSURE MEASUREMENT PORE WATER PRESSURE PRECONSOLIDATION
TIME SETTLEMENT RELATIONSHIP SAND DRAIN THEORY AND DRAIN THEORY 2
RT CONSOLIDATION THEORY
PORE PRESSURE THEORY
PRECONSOLIDATION
SAND DRAIN DESIGN SAND DRAINS 1 2
UF VERTICAL FILTER WELLS
VERTICAL SAND DRAINS
BT DRAINAGE STRUCTURES DRAINS
RT--CONSOLIDATION (SOILS)
DEWATERING -- DRAINAGE
DRAINAGE BLANKETS
GROUNDWATER LOWERING
HORIZONTAL DRAINS PRELOAD FILLS
PRELOADING (SOILS) SAND PILES -- SETTLEMENT -- SOIL STABILIZATION -- SUBDRAINS VERTICAL DRAINS SAND DUNES use DUNES 1 2 SAND EMBEDMENT METHOD 3
BT EXPOSED AGGREGATE CONCRETE

```
SAND FILTERS 1 2
use FILTER MATERIALS
                                                                                                                           (Con.)
BLOWING SAND OR DUST
COHESIONLESS SOILS
CONCRETE AGGREGATES
DELTAIC DEPOSITS
                                                                                                               SANDS
     SAND GRAVEL CONCRETE 3
BT CONCRETES
RT-- GRAVELS
                                                                                                                           DETRITUS
DUNES
                                                                                                                       FILTER MATERIALS
FINE AGGREGATES
-- FLUID FILTERS
-- GRAVELS
    SAND ISLAND METHOD (CAISSONS)
RT OPEN CAISSONS
    SAND LIME BRICKS
BT BRICKS
                                                                                                                           LITTORAL DEPOSITS
LITTORAL DRIFT
        RT-CONCRETE BLOCKS
CONCRETE BRICKS
                                                                                                                           LOAMS
MICACEOUS SOILS
            -- MASONRY
                                                                                                                           MOLDING MATERIALS
MORTARS (MATERIAL)
PERVIOUS SOILS
    SAND PILES 2
UF WICK PILES
BT PILES
RT COMPACTION PILES
--COMPACTION (SOILS)
--DRAINAGE
                                                                                                                       -- POROUS MATERIALS
                                                                                                                          QUARTS
RIPPLE MARKS
SAND GRAVEL CONCRETE
SANDBARS
                SAND DRAINS
                                                                                                                           SANDSTONES
                VERTICAL DRAINS
                                                                                                                      -- SILICA
-- SILICA MINERALS
SILICON
    SAND PUMPS
                    Tool used in drilling and
                                                                                                                          SOIL (CONSTRUCTION MATERIAL)
SOIL TEXTURE
           boring
DRILLING EQUIPMENT
PUMPS
                                                                                                                          TERRACE DEPOSITS
              BATLERS
                                                                                                              SANDSPITS 1
RT--WATER CURRENTS
               PERCUSSION DRILLING
           -- ROTARY DRILLING
           -- SAMPLERS
                                                                                                              SANDSTONES 2 3
                                                                                                                 BT ROCKS
SEDIMENTARY ROCKS
   SAND REPLACEMENT (CONCRETE)
use FINE AGGREGATES
LIGHTWEIGHT AGGREGATES
                                                            2 3 5
                                                                                                                 SILICEOUS ROCKS
                                                                                                                      -- BRECCIA
CLAYSTONES
   SAND TRAPS 1 2
RT CATCH BASINS
-- CONDUITS
                                                                                                                        CONGLOMERATE
GRAYWACKE
MUDSTONES
QUARTZITE
          -- DEBRIS BARRIERS
-- SEDIMENTATION
                                                                                                                         SANDS
SANDY SOILS
  SAND WAVES 1
NT RIPPLE MARKS
RT BED LOAD
--WATER CURRENTS
                                                                                                                    -- SHALES
SILTSTONES
                                                                                                            SANDWICH CONSTRUCTION 2
use SANDWICH STRUCTURES
  SANDBAGS
      NDBAGS 1
RT FLOOD FIGHTING
                                                                                                            SANDWICH STRUCTURES 2 3
UF SANDWICH CONSTRUCTION
RT CELLULAR PLASTICS
--COMPOSITE MATERIALS
--LANDING MATS
STRUCTURAL ADHESIVES
  SANDBARS
      UF SAND BARS
     UF SAND BARS
BT ALLUVIUM
BARS (CCASTAL)
BARS (RIVERINE)
GEOLOGICAL DEFOSITS
TOPOGRAPHIC FEATURES
RT BARRIER BEACHES
-- BEACHES
CCASTE
                                                                                                                    -- WALLS
                                                                                                           SANDY SOILS 2
RT-- AECLIAN DEPOSITS
COHESIONLESS SOILS
DELTAIC DEPOSITS
             COASTS
DELTAIC DEPOSITS
             DEPOSITION
LITTORAL DRIFT
                                                                                                                       DUNES
                                                                                                                        PERVIOUS SOILS
         -- MEANDER BELT DEPOSITS
                                                                                                                       SANDBARS
             REEFS
                                                                                                                   -- SANDS
         -- SANDS
                                                                                                                       SANDSTONES
         SANDY SOILS
SEDIMENT CONCENTRATION
-- SEDIMENTATION
                                                                                                           SANITARY ENGINEERING 1 2 3 4 6 7
RT--CIVIL ENGINEERING
CHEMICAL ENGINEERING
--DISPOSAL
         SHALLOW WATER
SHOALS
SPITS (COASTAL)
--WATER CURRENTS
                                                                                                                  -- DRAINAGE
                                                                                                                  -- EFFLUENTS
SANDS 1 2 3 5
BT COARSE GRAINED SOILS
GRANULAR MATERIALS
NT AEOLIAN SANDS
BEACH SANDS
GUICKSAND
                                                                                                                      ENVIRONMENTAL ENGINEERING GARBAGE
                                                                                                                  -- PEST CONTROL
PLUMBING
                                                                                                                -- POLLUTION ABATEMENT
-- POLLUTION ABATEMENT
-- POLLUTION CONTROL
PUBLIC HEALTH
PUBLIC UTILITIES
     QUICKSAND
RT-- AEOLIAN DEPOSITS
        -- AGGREGATES
        ALLUVIAL FANS
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-- BEACHES

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SANITARY ENGINEERING (OR RADIOACTIVE WASTES
                                            (Con.)
                                                                                                              SATURATED SOILS
                                                                                                                 RT CONSOLIDATION THEORY
FLOODED SOILS
        -- REFUSE
        - REFUSE
SANITATION
SEWAGE DISPOSAL
SEWAGE EFFLUENTS
- SEWAGE TREATMENT
SEWAGE TREATMENT PLANTS
                                                                                                                     -- GROUNDWATER
                                                                                                                     -- MARSHES
                                                                                                                         MUD
MUSKEG
                                                                                                                         PARTIALLY SATURATED SOILS
SATURATED DENSITY
        -- SEWERS
        -- SEWERS
SLUDGE DISPOSAL
TERTIARY TREATMENT
URBAN PLANNING
-- WASTE DISPOSAL
WASTE WATER
-- WATER CHEMISTRY
-- WATER SUPPLY
WATER TREATMENT
                                                                                                                        SATURATION (SOILS)
SATURATION ZONES (SOILS)
SOFT SOILS
SOIL STABILIZATION BY FREEZING
                                                                                                                          SOLIFLUCTION
                                                                                                                          SWAMPS
                                                                                                                         WATER TABLE
WATERLOGGED LAND
ZERO AIR VOIDS CURVE
        -- WATER TREATMENT
SANITARY FILLS 7
UF SANITARY LANDFILLS
BT FILLS
RT EARTH FILLS
                                                                                                             SATURATION CURVE 2
use ZERO AIR VOIDS CURVE
                                                                                                             SATURATION (SOILS) 2
UF SOIL SATURATION
NT BACK PRESSURE SATURATION
RT--CONSOLIDATION TESTS (SOILS)
        -- WASTE DISPOSAL
 SANITARY LANDFILLS 7
use SANITARY FILLS
                                                                                                                     -- GROUNDWATER
 SANITARY SEWERS 7
NOTE: Sewers that carry only
domestic or commercial sewage
BT SEWERS
RT COMBINED SEWERS
                                                                                                                         SATURATED SOILS
SATURATION ZONES (SOILS)
                                                                                                                          TRIAXIAL SHEAR TESTS (SOILS)
                                                                                                              SATURATION ZONES (SOILS) 1 2
                                                                                                                 RT- - GROUNDWATER
             OUTFALL SEWERS
                                                                                                                         PHREATIC LINE
SATURATED SOILS
    ANITATION 7
NOTE: Control of all the factors
in man's physical environment
that exercise or can exercise a
deleterious effect on his physical
development, health and survival
BT INSECT CONTROL
-- PEST CONTROL
PUBLIC HEALTH
SANITARY ENGINEERING
SEWAGE DISPOSAL
-- SEWERS
-- WASTE DISPOSAL
 SANITATION
                                                                                                                        - SATURATION (SOILS)
UNSATURATED FLOW
                                                                                                             SAVANNAS
                                                                                                                                  2
                                                                                                                 RT GRASSLANDS
                                                                                                              SAWDUST
                                                                                                                 RT--LIGHTWEIGHT AGGREGATES
                                                                                                                         NAILABLE CONCRETE
SAWDUST CONCRETE
         -- WASTE DISPOSAL
                                                                                                             SAWDUST CONCRETE
                                                                                                                 BT CONCRETES
RT SAWDUST
 SANTORIN EARTH 3
use POZZOLANS
                                                                                                             SAWED JOINTS 3
BT JOINTS (JUNCTIONS)
RT--PAVEMENTS
 SAPROLITES 2 3
BT RESIDUAL SOILS
RT LATERITES
              WEATHERING (GEOLOGY)
                                                                                                              SCALE EFFECTS 1
RT-- HYDRAULIC MODELS
 SARAN (TRADEMARK) 2
BT RESINS (SYNTHETIC)
VINYL RESINS
RT--COATINGS
-- LININGS
                                                                                                                     -- MODELS
                                                                                                                          REYNOLDS NUMBER
                                                                                                                         SCALE (RATIO)
                                                                                                              SCALE (RATIO)
RT-- CHARTS
-- MAPS
             SARAN (TRADEMARK) FIBERS
  SARAN (TRADEMARK) FIBERS
                                                                                                                     -- MODELS
                                                                                                                    -- RATIOS
SCALE EFFECTS
-- SIMILITUDE
     BT FIBERS
SYNTHETIC FIBERS
      RT SARAN (TRADEMARK)
 SATELLITES (ARTIFICIAL) 1 6
UF ARTIFICIAL SATELLITES
BT SPACE VEHICLES
NT METEOROLOGICAL SATELLITES
RT DATA COLLECTION SYSTEMS
REMOTE SENSING
                                                                                                             SCALES (WEIGHING DEVICES)
                                                                                                                 use WEIGHING DEVICES
                                                                                                              SCALING (CONCRETE) 3
UF SALT SCALING (CONCRETE)
RT CONCRETE SURFACES
                                                                                                                         DEICERS
                                                                                                                          FREEZE- THAW DURABILITY
PEELING (CONCRETE)
SCALING RESISTANCE TESTS
 SATELLITES (METEOROLOGICAL) 1
use METEOROLOGICAL SATELLITES
                                                             1 6 7
 SATURATED DENSITY 2
NOTE: Wet density of a soil mass
                                                                                                              SCALING RESISTANCE TESTS
                                                                                                                 BT CONCRETE TESTS
RT CONCRETE SURFACES
     when saturated
BT DENSITY (MASS/VOLUME)
RT SATURATED SOILS
                                                                                                                         DETCERS
                                                                                                                         FREEZE-THAW TESTS
SCALING (CONCRETE)
 SATURATED FLOW
     BT PLOW
RT PERMEABILITY
POROSITY
                                                                                                              SCARF CONNECTIONS
BT CONNECTIONS
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TRANSMISSIVITY

SCARIFIERS BT CONSTRUCTION EQUIPMENT EARTH HANDLING EQUIPMENT RT GRADERS SCARIFYING SCARIFYING 3 RT CLEANING SCARIFIERS SCARPS 2 NOTE: Line of cliffs produced by faulting or erosion RT--EROSION FAULTS AND FAULTING (GEOLOGY) SCATTER PROPAGATION 6 BT WAVE PROPAGATION RT RADIO TRANSMISSION -- RADIO WAVES SCATTERING 1 4 6
NOTE: Use of a more specific term is recommended; consult the terms listed below BACKSCATTERING DEFLECTION DIFFUSION DISPERSION ELECTROMAGNETIC WAVES REFLECTION SCATTER PROPAGATION WAVE DISPERSION SCHEDULES use SCHEDULING SCHEDULING UF SCHEDULES RT--COMPUTER PROGRAMS -- COMPUTERS
-- CONTROL EQUIPMENT
CRITICAL PATH METHOD
DECISION MAKING -- FORECASTING INDUSTRIAL ENGINEERING MATERIALS CONTROL
--MATHEMATICAL MODELS
--OPERATIONS RESEARCH
OPTIMIZATION PERT PRODUCTION CONTROL PURCHASING
--QUALITY CONTROL
QUEUEING THEORY ROUTING SYSTEMS ENGINEERING TIME SERIES ANALYSIS TIMING SCHIST BT CRYSTALLINE ROCKS METAMORPHIC ROCKS SCHLIEREN PHOTOGRAPHY 1 BT SHADOWGRAPH PHOTOGRAPHY PHOTOGRAPHY
RT FLOW VISUALIZATION
HIGH SPEED PHOTOGRAPHY SCHMIDT HAMMER TEST 3 use REBOUND HAMMER TESTS SCHOOL BUILDINGS 3
BT BUILDINGS
PUBLIC BUILDINGS
RT AUDITORIUMS

GYMNASIUMS HOSPITALS

SCIENCE 6
RT TECHNOLOGY
SCIENTIFIC SOCIETIES

RELIGIOUS BUILDINGS

use TECHNICAL SOCIETIES

6

SCIENTISTS RT- - ENGINEERS SCINTILLATION COUNTERS 4
BT MEASURING INSTRUMENTS
RADIATION MEASURING INSTRUMENTS
RT GAMMA COUNTERS SCOBEY FORMULAS RT PIPE FLOW COUR 1 2 3 NOTE: Erosive action of running SCOUR water in streams, in excavating and carrying away material from the bed and banks
BT EROSION
RT ABRASION BAFFLE PIERS BED LOAD BRIDGE FAILURES BRIDGE PIERS CAVITATION -- DEGRADATION EROSION FLIP BUCKETS GLACIATION GLACIERS PLUNGE BASINS POTHOLES -- RUNNING WATERS -- SPILLWAYS STILLING BASINS STREAM BEDS STREAM DEGRADATION STREAM EROSION SCRAP BT REFUSE RT--INDUSTRIAL WASTES SCRAP METAL 3 use METAL SCRAP PERS 2 5
CONSTRUCTION EQUIPMENT
EARTH HANDLING EQUIPMENT BT EXCAVATORS BULLDOZERS CUTTING BLADES GRADERS -- LAND CLEARING VEHICLES SOIL CUTTING STRIPPING SCREEDING use CONCRETE FINISHING (FRESH CONCRETE) SCREEDS 3 RT CONCRETE FINISHING (FRESH CONCRETE) SCREEN ANALYSIS 3
use SIEVE ANALYSIS SCREENING 2 3 7
NOTE: Removal of relatively coarse floating and suspended solids by straining through racks or screens
BT SEPARATION
NT SIZE SCREENING
RT ELUTRIATION
--FILTERS
SCREENINGS SCREENINGS SCREENINGS NOTE: Rejects from a screening process which may be either oversize or undersize RT BASE COURSES SCREENING SUBBASES

SEA SHELLS (CONSTRUCTION MATERIAL) 3 SCREENS (SIZING) 3 use SIZING SCREENS RT- - AGGREGATES SEA WALLS 1 2 3
NOTE: Structures built along a
portion of a coast primarily to
prevent erosion and other damage
by wave action
BT COASTAL STRUCTURES
MARINE STRUCTURES SCREENS (WELLS) use WELL SCREENS SCREW CONVEYORS 3 CONVEYORS MATERIALS HANDLING EQUIPMENT NOTE: Steel or concrete piles which are screwed into the RT- - BREAKWATERS - BREAKWAIERS
- BULKHEADS
COASTAL ENGINEERING
HARBOR ENGINEERING
- HARBOR STRUCTURES soil DISPLACEMENT PILES PILES RT UPLIFT PILES ICE LOADS SCRUBBERS 7
NOTE: Air pollution control devices that use a liquid spray to remove pollutants from a gas stream by absorption or chemical reaction RT AIR POLLUTION CONTROL EQUIPMENT JETTIES -- OCEAN WAVES QUAY WALLS
-- RETAINING WALLS -- REVETMENT SHORE PROTECTION
--WATER PRESSURE
WATER WAVE ACTION ON MARITIME SCUBA DIVERS 1
use UNDERWATER SWIMMERS STRUCTURES
WATER WAVE RUN- UP
WATER WAVES SCUM 7 RT-- ALGAE SEA WATER 1 3 7 UF MARINE WATER OCEAN WATER -- FUNGI SLIME WATER SEA BOTTOM 1 2 3 4 5 7 use OCEAN BOTTOM RT BRACKISH WATER BRINES SEA BOTTOM SAMPLERS 1 2 use OCEAN BOTTOM SAMPLERS DESALTING ESTUARIES GULFS ICEBERGS SEA BREEZES 1
BT WIND (METEOROLOGY)
RT LAKE BREEZES MARINE ATMOSPHERES SALINITY -- SALT WATER SALT WATER INTRUSION SEA FLOOR 1 2 3 4 5 7 SEA ICE SEA WATER CORROSION SEA GRASSES EA GRASSES 7
BT AQUATIC PLANTS
PLANTS (BOTANY) -- SURFACE WATERS SEA WATER BARRIERS 1
use SALT WATER BARRIERS EA ICE 1 5 6
UF ICE ON RIVERS, LAKES, ETC.
BT ICE
RT--FLOATING ICE SEA ICE SEA WATER CONVERSION 1 3 7 use DESALTING ICE HARDNESS
ICE MECHANICS
ICE STRENGTH SEA WATER CORROSION 1 BT CORROSION RT SEA WATER **ICEBERGS** SEA WATER SEA WATER INTRUSION 1 2
use SALT WATER INTRUSION SEA LEVEL 1
UF MEAN SEA LEVEL
RT BENCH MARKS
ELEVATION SEA (WAVE CONDITION) NOTE: Heavy swell under influence of wind RT OCEANS -- MAPPING OCEANS SWELL (WATER WAVES)
-- WATER WAVES TIDAL EFFECTS WATER LEVELS SEADROMES 2
NOTE: Floating airdromes serving
as intermediate or emergency
landing places for aircraft
flying over water
BT AIRCRAFT LANDING AREAS
RT FLOATING LANDING MATS SEA LEVEL CANALS 1
BT CANALS
RT NAVIGATION CANALS SEA LEVEL CHANGES 1 2 HT CHANGES OF LEVEL (GEOLOGY) ESTUARIES HYDROGRAPHIC SURVEYS SEAL COATS EAL COATS 2 3 5 RT--ASPHALTS ISOSTASY
OCEAN ENGINEERING
OCEAN TIDES
OCEANS
SALT WATER INTRUSION
TIDAL FLATS
TIDAL HYDRAULICS
TIDAL MARSHES
TIDAL POWER PLANTS ISOSTASY I-- ASPHALTS
- PLEXIBLE PAVEMENTS
NONSKID SURFACES
SEALING COMPOUNDS
SURFACE ROUGHNESS (PAVEMENTS)
SURFACE TREATMENT (ROADS)

SEALANTS 1 2 3 4 5 6 use SEALERS EALERS 1 2 3 4 5 6 UF SEALANTS SEALERS SURFACE SEALERS
NT JOINT FILLERS
-- JOINT SEALERS
RT-- ADHESIVES BINDERS CEMENTATION -- CLOSURES COAL TAR -- COATINGS EPOXY RESINS -- FILLERS GATE SEALS
-- GROUTING
-- GROUTS
-- LEAKAGE -- LININGS -- PAINTS PARAFFINS PROTECTIVE COATINGS RESINS (SYNTHETIC) SEALING SEALING COMPOUNDS
SEALS (STOPPERS)
-- SEEPAGE
SEEPAGE CONTROL
SEEPAGE CONTROL DESIGN
-- SOIL STABILIZATION TUNNEL CLOSURES VALVES VARNISHES WATERPROOF COATINGS -- WATERPROOFING WATERPROOFING AGENTS WATERSTOPS WAXES EALING 3 6 RT ADHESION BONDING SEALING CEMENTATION COATINGS -- GROUTING PAINTING SEALANTS - SEALERS SEALING COMPOUNDS -- WATERPROOFING -- WELDING SEALING COMPOUNDS 2 3 UF CAULKING COMPOUNDS RT--ADHESIVES ASPHALTS CAULKING -- CLOSURES -- COATINGS -- JOINTS (JUNCTIONS)
MASTICS SEAL COATS SEALING SEALS (STOPPERS) SLURRIES TUNNEL CLOSURES WATERPROOF COATINGS WATERPROOFING WATERPROOFING AGENTS WATERSTOPS SEALS (GATES)
use GATE SEALS SEALS (STOPPERS) RT--CLOSURES 2 3 4 -- SEALERS SEALING COMPOUNDS TUNNEL CLOSURES

WATERSTOPS

SEAM GROUTING 3 NOTE: Grouting a seam in which drill water is lost or an ar-tesian flow is encountered BT GROUTING SEAPLANES NOTE: Flotation provided by floats BT AIRCRAFT RT AMPHIBIOUS AIRCRAFT SEAPORTS use HARBORS SUPERPORTS SEAS 1 2 6 7 use OCEANS SEASHORES : SEASONAL VARIATIONS 1 7 RT BIORHYTHMS SEAWAYS 1 USE WATERWAYS (TRANSPORTATION) ECANT MODULUS 2 3 4

NOTE: Slope of the secant drawn
from the origin to any specified
point on the stress-strain curve
BT MECHANICAL PROPERTIES

MODULUS OF DEFORMATION
MODULUS OF ELASTICITY
RT CHORD MODULUS
INITIAL TANNENT MODULUS
-- SHEAR PROPERTIES
-- TANGENT MODULUS
-- TENSILE PROPERTIES SECANT MODULUS SECONDARY COMPRESSION 2
use SECONDARY CONSOLIDATION SECONDARY CONSOLIDATION UF SECONDARY COMPRESSION
SECONDARY TIME EFFECT
ONSOLIDATION (SOILS)
DEFORMATION
SALE DEPORTURED SOIL DEFORMATION INITIAL CONSOLIDATION PRIMARY CONSOLIDATION SOIL CREEP -- SOIL STRUCTURE SECONDARY PRODUCTIVITY NOTE: Rate of production of organic materials by consumer organisms (animals) which eat plants (which are the primary producers) BT ECOLOGY PRODUCTIVITY
BALANCE OF NATURE
COMPETITION
CYCLING NUTRIENTS FOOD CHAINS PREDATION PRIMARY PRODUCTIVITY SECONDARY TIME EFFECT 2
USe SECONDARY CONSOLIDATION SECONDARY TREATMENT 7
use SEWAGE TREATMENT SECONDARY WAVES use SHEAR WAVES SECTOR GATES 1
BT HYDRAULIC GATES
LOCK GATES
RT DRUM GATES

RADIAL GATES SPILLWAY GATES

SEDIMENT DEPOSITS 1 2
use GEOLOGICAL DEPOSITS
MARINE DEPOSITS ECURITY 5
MT BORDER SECURITY
CAMOUFLAGE
RT--MILITARY OPERATIONS SECURITY SEDIMENTATION SAFETY SEDIMENT DISCHARGE 1 RT CURRENTS TUNNEL DETECTION T CUFFENTS
DISTRIBUTION PATTERNS
SEDIMENT CONTROL
SEDIMENT DISTRIBUTION
-- SEDIMENT LOAD
-- SEDIMENT TRANSPORT
SEDIMENT YIELD SEDIMENT ANALYSIS RT--SEDIMENT SEDIMENT SAMPLING --SEDIMENTATION SEDIMENT CONCENTRATION 1
UF CONCENTRATION (SEDIMENT)
CONCENTRATION (SILT) -- SEDIMENTATION SEDIMENT DISTRIBUTION 1
RT DISTRIBUTION PATTERNS
SEDIMENT DISCHARGE
-- SEDIMENT TRANSPORT RT- - AGGRADATION DEPOSITION REEFS -- SEDIMENTATION SEDIMENTATION RATES RESERVOIR SEDIMENTATION SANDRARS SEDIMENT CONTROL -- WATER CURRENTS SEDIMENT SAMPLERS SEDIMENT TRANSPORT SEDIMENT LOAD 1

NT BED LOAD

RT REGIME THEORY
-- RUNNING WATER
SEDIMENT CONTROL
SEDIMENT DISCHARGE
-- SEDIMENT TRANSPORT
-- SEDIMENTATION -- SEDIMENTATION SHOALING -- STRATIFICATION (WATER) SEDIMENT CONTROL 1 2
UF SILT CONTROL
RT CHANNEL EROSION
CHANNEL IMPROVEMENT SEDIMENTATION RATES
SETTLING VELOCITY
-- TRACTIVE FORCES
-- WATER CURRENTS CHANNEL STABILIZATION - DAMS DESILTING DESILTING
MOVABLE-BED MODELS
POTAMOLOGY
RESERVOIR OPERATION
RESERVOIR SEDIMENTATION
RIVER ENGINEERING SEDIMENT SAMPLERS 1 2 BT SAMPLERS RT BED LOAD DOUBLE TUBE AUGER SAMPLERS
-- DRIVE SAMPLERS
-- EXPLORATION SAMPLERS
EXTRUDERS (SOILS) -- SEDIMENT -SEDIMENT
SEDIMENT CONCENTRATION
SEDIMENT DISCHARGE
-SEDIMENT LOAD
SEDIMENT SAMPLERS
SEDIMENT TRANSPORT
SEDIMENT TRANSPORT
SEDIMENTATION
SEDIMENTATION RATES
-SETTLING BASINS (SEDIMENT)
SHOALING
SOIL CONSERVATION -- GAGES OCEAN BOTTOM SAMPLERS SALTATION -- SEDIMENT SEDIMENT CONCENTRATION
SEDIMENT CONTROL
SEDIMENT SAMPLING
-- SOIL SAMPLERS SOIL CONSERVATION SEDIMENT SAMPLING SEDIMENT 1 2 3 7

NOTE: Material carried in suspension by water either as bed load or suspended load or recently deposited from suspension. For other deposited matter use GEOLOGICAL DEPOSITS, MARINE DEPOSITS, or SEDIMENTATION NT BED LOAD

SUSPENDED LOAD

RT AGGRADATION UF BED LOAD SAMPLING BT SAMPLING RT--DRIVE SAMPLERS
-- HYDROLOGIC INSTRUMENTS OCEAN BOTTOM OCEAN BOTTOM SAMPLERS RECOVERY RATIO (SAMPLING)
RESERVOIR SURVEYS SAMPLE DISTURBANCE
-- SEDIMENT SEDIMENT ANALYSIS SEDIMENT SAMPLERS SEDIMENT SAMPLING STREAM BEDS AGGRADATION ALLUVIUM CRITICAL TRACTIVE FORCE DELTAS SUBSURFACE EXPLORATION DEPOSITION DETRITUS PLOOD FLAINS
--GEOLOGICAL DEPOSITS
HYDRAULIC ENGINEERING
LITTORAL DRIFT SEDIMENT (SUSPENDED)
use SUSPENDED LOAD SEDIMENT TRANSPORT 1 2 7 SALTATION
BED LOAD
BED MOVEMENTS
CRITICAL TRACTIVE FORCE MARINE DEPOSITS MUD-WATER INTERFACES MUD-WATER INTERFACI RIVERS SEDIMENT ANALYSIS SEDIMENT CONTROL SEDIMENT SAMPLERS SEDIMENT SAMPLING -- SEDIMENT TRANSPORT -- FLOW LITTORAL DRIFT MOVABLE- BED MODELS RIVERS -- RUNNING WATERS
-- SEDIMENT -- SEDIMENTATION -- SILTS SEDIMENT CONCENTRATION SEDIMENT CONTROL -- STREAMS SUSPENDED SOLIDS

-- TRACTIVE FORCES

SEDIMENTARY ROCKS (C RT-AGGREGATES BEDS (GEOLOGY) CARBONATE ROCKS SEDIMENT TRANSPORT (Con.)
SEDIMENT DISCHARGE
SEDIMENT DISTRIBUTION
-- SEDIMENT LOAD
SEDIMENT TRANSPORT MODELS
-- SEDIMENTATION (Con.) -- CLAYS COAL DIAGENESIS SEDIMENTATION RATES -- EVAPORITES FOSSILS SHOAT, ING -- STREAMS SUSPENDED LOAD SUSPENDED SOLIDS -- TRACTIVE FORCES -- GEOLOGICAL DEPOSITS GRAYWACKE GYPSUM -- IGNEOUS ROCKS LIGNITE METAMORPHIC ROCKS SEDIMENT TRANSPORT BY WAVES 1
NOTE: Includes sand transport
UF WATER WAVE SEDIMENT TRANSPORT
RT LITTORAL DRIFT
WATER WAVE ACTION ON BEACHES
-- WATER WAVES MINERAL DEPOSITS
-- PALEONTOLOGY QUARTZITE REEFS SEDIMENTARY PETROLOGY SEDIMENTARY STRUCTURES -- SEDIMENTATION
-- SEDIMENTOLOGY SEDIMENT- TRANSPORT MODELS THANSPORT MODELS 1
BT HYDRAULIC MODELS
RT CRITICAL TRACTIVE FORCE
ESTUARY MODELS
-- SEDIMENT TRANSPORT
-- TRACTIVE FORCES STRATA STRATIGRAPHY SEDIMENTARY STRUCTURES Structures produced during NOTE: Structures produced
sedimentation
RT--GEOLOGICAL DEPOSITS
SEDIMENTARY PETROLOGY
--SEDIMENTARY ROCKS
--STRATIFICATION SEDIMENT TRAPS 1 RT-- SEDIMENTATION SEDIMENT- WATER INTERFACES BT BOUNDARIES (SURFACES) EARTH WATER INTERFACES STRATIGRAPHY STRUCTURAL GEOLOGY LAKE SOILS MUD EDIMENTATION 1 2 3 7
NOTE: Process by which mineral
and organic matter is deposited
to make sediments
UF SEDIMENT DEPOSITS
SILITIMS SEDIMENTATION MUD FLATS MUD-WATER INTERFACES SEDIMENT YIELD 1
RT-- EROSION
RESERVOIR SEDIMENTATION SEDIMENT DEPOSITS
SILTING
CANAL SEDIMENTATION
RESERVOIR SEDIMENTATION
ACCRETION (GEOMORPHOLOGY)
ACTIVATED SLUDGE PROCESS
AGGRADATION SEDIMENT CONTROL SEDIMENT DISCHARGE STREAMS VEGETATION EFFECTS
WATERSHED MANAGEMENT
-- WATERSHEDS - ALLUVIUM
BANK EROSION
BARRIER BEACHES
- BARS (COASTAL)
- BARS (RIVERINE)
BED LOAD SEDIMENTARY BRECCIA 2 BRECCIA ROCKS SEDIMENTARY ROCKS SILICEOUS ROCKS BIOCHEMICAL OXYGEN DEMAND BOTTOM SEDIMENT CLARIFICATION CLAY STRUCTURE IGNEOUS BRECCIA METAMORPHIC BRECCIA COAGULATION - DEGRADATION SEDIMENTARY PETROLOGY 2 3 BT GEOLOGY PETROLOGY DELTAS PETFOLOGY
PHYSICAL GEOLOGY
SEDIMENTOLOGY
T ENGINEERING GEOLOGY
-- GEOLOGICAL DEPOSITS
-- SEDIMENTARY ROCKS
SEDIMENTARY STRUCTURES
GEOLOGICAL DEPOSITS DEPOSITION DESILTING
DESILTING WORKS
DIAGENESIS
EFFLUENTS -- EROSION FLOCCULATION -- SEDIMENTATION FLOOD PLAINS FOSSILS SEDIMENTARY ROCKS 1 2 3 BT ROCKS -- GEOLOGICAL DEPOSITS
-- GEOLOGY NT-- CALCAREOUS ROCKS - GLOCIAL DEPOSITS
GLACIAL DRIFT
GLACIAL OUTWASH
LACUSTRINE DEPOSITS
LAGOONS (PONDS)
LAKE BEDS CHALKS CHERT CLAY SHALES CLAYSTONES CONGLOMERATE COQUINA DOLOMITE -- LAKES LITTORAL DEPOSITS LIMESTONES LOCK SILTING MEANDERING STREAMS OIL SHALES SANDSTONES OCEAN BOTTOM PRECIPITATION (CHEMISTRY) SEDIMENTARY BRECCIA REEFS -- SHALES RESERVOIRS -- SILICEOUS ROCKS -- RUNNING WATERS SILTSTONES

A April

GE (Con.)
- COFFERDAM SEEPAGE
COFFERDAM UNDERSEEPAGE SEEPAGE SEDIMENTATION (Con.)
SAND TRAPS SANDBARS DAM UNDERSEEPAGE EARTH DAM SEEPAGE LEVEE SEEPAGE LEVEE UNDERSEEPAGE -- SEDIMENT -- SEDIMENT
SEDIMENT ANALYSIS
SEDIMENT CONCENTRATION
SEDIMENT CONTROL
SEDIMENT DISTRIBUTION
-- SEDIMENT DISTRIBUTION
SEDIMENT TRANSPORT
SEDIMENT TRANSPORT
SEDIMENT TRANSPORT RESERVOIR SEEPAGE ROCKFILL DAM SEEPAGE - UNDERSEEPAGE
CANAL EMBANKMENTS
CRITICAL GRADIENTS
DAM STABILITY SEDIMENTARY PETROLOGY SEDIMENTARY ROCKS DARCYS LAW DIVERSION LOSSES SEDIMENTATION TANKS
-- SEDIMENTOLOGY DRAINAGE
DRAINAGE
ELECTRIC ANALOGY SEEPAGE MODELS
FILTERS (SEEPAGE CONTROL)
FILTRATION -- SEPARATION
-- SEWAGE TREATMENT SKIMMING STOKES LAW -- FLOW FLOW NETS FLOW THROUGH POROUS MEDIA -- GROUNDWATER STRATIFICATION STRATIGRAPHY STREAM BEDS STREAM DEGRADATION STREAM EROSION -- SURFACE WATERS -- GROUNDWATER
-- GROUTING
-- HYDFAULIC GRADIENTS
-- HYDFAULICS
IMPERVIOUS BLANKETS
IMPERVIOUS CUTOFFS
IMPERVIOUS LININGS
IMPERVIOUS MEMBRANES
INFILTRATION (WATER)
INFLUENT STREAMS
-- IRRIGATION -- WATER TREATMENT -- WET ANALYSIS SEDIMENTATION BASINS 1 use SETTLING BASINS (SEDIMENT) SEDIMENTATION RATES 1
RT DEPOSITION
--RESERVOIRS
SEDIMENT CONTROL
SEDIMENT DISTRIBUTION
--SEDIMENT TRANSPORT
SETTLING VELOCITY -- IRRIGATION LAMINAR FLOW -- LEAKAGE -- LININGS -- LININGS
-- PENETRATION
PERCOLATION
-- PERMEABILITY
PERMEABILITY (SO:
PIPING (SEEPAGE)
PONDING TESTS
-- POROSITY
-- PERSENATES STOKES LAW SEDIMENTATION TANKS EDIMENTATION TANKS 7
NOTE: In waste water treatment,
tanks where the solids are allowed
to settle or to float as scum
and then disposed of
UF SETTLING TANKS
RT CLARIFIERS
-- SEDIMENTATION
SETTLING DASING (MASTES) - RESERVOIRS
RETURN FLOW
SALT WATER INTRUSION
SAND BOILS SAND BOILS
-- SEALERS
SEEPAGE CONTROL
SEEPAGE LOSSES
SEEPAGE PRESSURE
SEEPAGE THEORY
-- SEWAGE TREATMENT
SUBSURFACE DEAINAGE
-- SURFACE IRRIGATION
-- SURFACE WATERS
TEST CANALS -- SETTLING BASINS (WASTES)
-- SEWAGE TREATMENT SKIMMING -- WATER TRANSPORT EDIMENTOLOGY 1 2
NOTE: Study of sedimentary rocks
and the natural processes by
which they were formed
BT GEOLOGY
PHYSTO: SEDIMENTOLOGY SEEPAGE BERMS 1 2 GE BEHMS 1 2
BEHMS
SEEPAGE CONTROL
SEEPAGE CONTROL DESIGN
SEEPAGE PRESSURE PHYSICAL GEOLOGY SEDIMENTARY PETROLOGY AGGRADATION -- CHANNELS STABILITY BERMS DEPOSITION DIAGENESIS SEEPAGE CONTROL 1 2 3
FT CANAL LININGS
CUETAIN WALLS
--DAM DESIGN
DAM FOUNDATIONS
DEWATERING
DEATNACE BLANKETS -- GEOLOGICAL DEPOSITS
-- GEOMORPHOLOGY
-- HISTORICAL GEOLOGY
MARINE GEOLOGY PETROLEUM GEOLOGY SALTATION DRAINAGE BLANKETS -- SEDIMENTARY ROCKS - EARTH DAMS
FILTER BLANKETS
FILTERS (SEEPAGE CONTROL)
- FOUNDATIONS -- SEDIMENTATION SEDIMENTS (GEOLOGY) use GEOLOGICAL DEPOSITS GROUT CURTAINS
GROUT GURTAINS
GROUTING
IMPERVIOUS BLANKETS
IMPERVIOUS CUTOFFS
IMPERVIOUS MEMBRANES SEEDING 1 2 RT BANK PROTECTION SLOPE PROTECTION GE 1 2 3 5 7 SEEPAGE WATER ABUTMENT SEEPAGE BACKFILL SEEPAGE INFILTRATION (WATER)

CANAL SEEPAGE

SEEPAGE CONTROL (Con.)
LINED CANALS
--LINED CHANNELS SEEPAGE THEORY 1 2
RT ELECTRIC ANALOGY SEEPAGE MODELS FLOW NETS
-- PERMEABILITY
RELIEF WELL THEORY
-- SEEPAGE -- LININGS RELIEF WELLS RESERVOIR LININGS SEEPAGE CONTROL DESIGN UNDERSEEPAGE THEORY -- SEEPAGE SEEPAGE BERMS
SEEPAGE CONTROL DESIGN
SEEPAGE LOSSES WELL THEORY SEEPAGE WATER 1 2 3 5 7 SEEPAGE PRESSURE use SEEPAGE SLURRIES UNDERSEEPAGE CONTROL SECMENTED WHEEL ROLLERS 2
BT COMPACTION EQUIPMENT
CONTRUCTION EQUIPMENT -- WATERPROOFING SEEPAGE CONTROL DESIGN RT CLAYEY SOILS AGE CONTROL DESIGN
CANAL DESIGN
CANAL SEEPAGE
CORE WALLS
CORES (DAMS)
- DAM DESIGN KNEADING COMPACTION SEGREGATION (MATERIALS) RT--CONCRETE PLACING STOCKPILING SEICHES 1 RT FREQUENCY -- DRAINS
EARTH DAM DESIGN
ELECTRIC ANALOGY SEEPAGE MODELS
-- EMBANKMENT DESIGN
GROUT CURTAINS
IMPERVIOUS BLANKETS
IMPERVIOUS CUTOFFS
IMPERVIOUS CUTOFFS
IMPERVIOUS LININGS
IMPERVIOUS MEMBRANES
IMPERVIOUS SOILS
LINED CANAIS HARBOR OSCILLATIONS LAKES
STANDING WAVES (WATER)
-- SURFACE WATERS
-- SURGES
-- WATER CIRCULATION
-- WATER CURRENTS
-- WIND (METEOROLOGY)
WIND TIDES LINED CANALS
-- LINED CHANNELS RESERVOIR SEEPAGE ROCKFILL DAM DESIGN SEISMIC DESIGN 1 2 3 4 use EARTHQUAKE RESISTANT STRUCTURES SEISMIC DETECTION 4
BT ACOUSTIC DETECTION
DETECTION
RT-- ELASTIC WAVES SEEPAGE BERMS SEEPAGE CONTROL SEEPAGE LOSSES SEEPAGE THEORY -- WATERPROOFING NUCLEAR EXPLOSION DETECTION SEISMIC EXPLORATION use SEISMIC SURVEYS SEEPAGE LINE use PHREATIC LINE SMIC INVESTIGATIONS 1 2 5
T BORDER SECURITY
ELASTIC WAVES
FOUNDATION INVESTIGATIONS
HUMAN LOCOMOTION
-- INTELLIGENCE
MARINE SEISMICS
MECHANICAL WAVES
-- MILITARY OPERATIONS
REMOTE SENSING
REPETITIVE LOADS
RESONANCE TESTS
SEISMIC REFLECTION
SEISMIC REFRACTION
SEISMIC REFRACTION
SEISMIC SENSORS
-- SEISMIC SURVEYS
-- SEISMIC WAVES
SEISMOGRAPHS
SEISMOGRAPHS
SEISMOCRAPHS
SEISMOCRAPHS
SEISMOCRAPHS SEEPAGE LOSSES 1 2 RT--DAM PERFORMANCE SEISMIC INVESTIGATIONS 1 2 5 DIVERSION LOSSES -- SEEPAGE SEEPAGE CONTROL SEEPAGE CONTROL DESIGN -- UNDERSEEPAGE UNDERSEEPAGE CONTROL UNLINED CANALS UNLINED CHANNELS WATER LOSS SEEPAGE PRESSURE BT PRESSURE RT CRITICAL GRADIENTS -- DAM DESIGN DAM STABILITY -- DRAINAGE WELLS -- DRAINAGE WELLS
-- DRAINS
EMBANKMENT STABILITY
FILTERS (SEEPAGE CONTROL)
HYDROSTATIC PRESSURE
-- PIEZOMETERS
PIPING (SEEPAGE)
QUICK CONDITION
QUICKSAND SEISMOLOGY SEISMOMETERS SEISMOMETERS
SEISMOSCOPES
SUBSURFACE EXPLORATION
TERRAIN ANALYSIS
TUNNEL DETECTION
VEHICLE MOTION
VEHICLE SIGNATURE
VIBRATORY INVESTIGATIONS
-- WAVE PROPAGATION RELIEF WELL THEORY RELIEF WELLS SAND BOILS -- SEEPAGE SEISMIC LOGGING -- SEEPAGE BERMS
SEEPAGE CONTROL
-- SLOPE STABILITY ANALYSIS
TRANSITION ZONES (SOILS) BT LOGGING RT GEOPHONES -- SEISMIC SURVEYS SEISMIC METHODS 2
use SEISMIC SURVEYS -- UNDERSEEPAGE -- WATER PRESSURE SEISMIC MOVEMENT DEVICES

A ST THE ST

use SEISMIC SENSORS

use SEISMIC SURVEYS SEISMIC PROSPECTING SEISMIC REFLECTION 1 2 4
BT REFLECTION
RT SEISMIC INVESTIGATIONS
SEISMIC REFLECTION METHOD
--SEISMIC WAVES
WAVE REFLECTION SEISMIC REFLECTION METHOD 2
BT GEOPHYSICAL EXPLORATION
SEISMIC SURVEYS SUBSURFACE EXPLORATION SEISMIC REPLECTION SEISMIC REFRACTION METHOD SEISMIC REFRACTION 1 2 4
BT REFRACTION
RT SEISMIC INVESTIGATIONS
SEISMIC REFRACTION METHOD
-- SEISMIC WAVES
SUBSURFACE EXPLORATION
WAVE REFRACTION SEISMIC REFRACTION METHOD 2 BT GEOPHYSICAL EXPLORATION SEISMIC SURVEYS
SUBSURFACE EXPLORATION
SEISMIC REFLECTION METHOD
SEISMIC REFRACTION SEISMIC RISKS 2 EARTHQUAKE DAMAGE EARTHQUAKE RESISTANT STRUCTURES GROUND MOTION SEISMIC WAVES SEISMIC SEA WAVES 1 use TSUNAMIS SEISMIC SENSORS 5
UP SEISMIC MOVEMENT DEVICES
BT MEASURING INSTRUMENTS
SENSORS
RT MECHANICAL WAVES
SEISMIC INVESTIGATIONS SEISMIC SURVEYS 2 EISMIC SURVEYS 2
NOTE: Method of geophysical prospecting using the generation, reflection, refraction, detection and analysis of elastic waves in the earth
UF SEISMIC EXPLORATION SEISMIC METHODS
SEISMIC PROSPECTING
BT GEOPHYSICAL EXPLORATION
SUBSURFACE EXPLORATION
MT SEISMIC REFLECTION METHOD SEISMIC REFLECTION METHOD SEISMIC REFRACTION METHOD WEIGHT DROPPING (SEISMOLOGY) COMPRESSION WAVES DETONATION -- ELASTIC WAVES GEOPHONES GROUND ROLL IMPULSIVELY GENERATED WAVES MARINE SEISMICS OSILLOGRAPHS OSILLOGRAPHS
SEIMIC INVESTIGATIONS
SEISMIC LOGGING
SHEAR WAVES
--SHOCK WAVES
WAVE VELOCITY SEISMIC VELOCITY RT SUBSURFACE EXPLORATION SEISMIC WAVES 1 2 3 4 BT ELASTIC WAVES

MECHANICAL WAVES

INDUCED)

GROUND SHOCK WAVES (AIR

WAVES

SEISMIC WAVES (Con.)
GROUND SHOCK WAVES (DIRECT)
GROUND FOLL
LOVE WAVES MICROSEISMS
OUTRUNNING WAVES
BAYLEIGH WAVES
SUPERSEISMIC WAVES
- SURFACE WAVES (SOLID MEDIA)
TRANSEISMIC WAVES
AIR BLAST INDUCED GROUND MOTION
COMPRESSION WAVES
FARTHOUISKES MICROSEISMS EARTHQUAKES
-- EXPLOSION EFFECTS
FREE FIELD MOTION
GROUND SHOCK GROUND SHOCK
-- NUCLEAR EXPLOSION EFFECTS
-- NUCLEAR EXPLOSIONS
NUCLEAR WEAPONS EFFECTS
SEISMIC INVESTIGATIONS
SEISMIC REFLECTION
SEISMIC REFLECTION
SEISMIC REFLECTION
SEISMIC RISKS SEISMOLOGY SEISMOMETERS -- SHOCK WAVES SOIL DYNAMICS
SUBFACE EXPLOSIONS
-- UNDERGROUND EXPLOSIONS
UNDERGROUND NUCLEAR EXPLOSIONS -- VIBRATIONS SEISMOGRAPHS 2 3 4 6
NOTE: Instruments which record seismic waves
EAFTHQUAKE RECORDING INSTRUMENTS SEISMOGRAPHY RECORDING INSTRUMENTS ACCELEROGRAPHS AIR BLAST INDUCED GROUND MOTION -- DETECTORS EARTHQUAKE PREDICTION EARTHQUAKES GEOPHONES -- GROUND MOTION MICROSEISMS SEISMIC INVESTIGATIONS SEISMOLOGICAL STATIONS SEISMOLOGY SEISMOMETERS SETSMOSCOPES WAVE MEASUREMENT SEISMOGRAPHY 2 use SEISMOGRAPHS SEISMOLOGICAL STATIONS 6 RT SEISMOGRAPHS SEISMOMETERS SEISMOLOGY NOTE: Study and interpretation of earthquakes and related phenomena RT AIR BLAST INDUCED GROUND MOTION DYNAMIC GEOLOGY EARTHQUAKE ENGINEERING EARTHQUAKE PREDICTION EARTHQUAKE PESISTANT STRUCTURES EARTHQUAKES -- GEODYNAMICS -- GEOLOGY GEOPHYSICS
-- GROUND MOTION
GROUND ROLL ISOSTASY MICROSEISMS -- RESONANCE SEISMIC INVESTIGATIONS
-- SEISMIC WAVES SEISMOGRAPHS SEISMOMETERS SEISMOSCOPES VOLCANISM

2 3 4 6 SEISMOMETERS NOTE: Detecting devices which receive seismic impulses
BT MEASURING INSTRUMENTS
RT ACCELEROMETERS DETECTORS EARTHQUAKES FREQUENCY METERS GEOPHONES GROUND MOTION MICROSEISMS SEISMIC INVESTIGATIONS
-- SEISMIC WAVES SEISMOGRAPHS SEISMOLOGICAL STATIONS SEISMOLOGY SEISMOSCOPES VIBRATION MEASUREMENT VIBRATION RESPONSE TESTS VIBRATIONS WAVE MEASUREMENT SEISMOSCOPES TE: Instruments which merely indicate that an earthquake has occurred ACCELEROGRAPHS EARTHQUAKES
SEISMIC INVESTIGATIONS
SEISMOGRAPHS
SEISMOLOGY SEISMOMETERS WAVE MEASUREMENT SELECTIVE LEVEL RELEASES 1
RT RESERVOIR OPERATION
THERMAL GRADIENT'S
THERMAL STRATIFICATION SELECTIVE WITHDRAWAL 1 BT WITHDRAWAL RT--RESERVOIRS SELENIUM RT ALLOYS SELF DESICCATION RT DRYING -- HYDRATION SELF ORGANIZING SYSTEMS 6
RT ADAPTIVE SYSTEMS
ARTIFICIAL INTELLIGENCE
AUTOMATA THEORY SELF PROPELLED ARTILLERY 5
NOTE: Includes self propelled howitzer, mortar, multiple rifle and gun vehicles
BT ARTILLERY
COMBAT VEHICLES
MILITARY VEHICLES
SELF PROPELLED VEHICLES
WEADON CARRIEDS WEAPON CARRIERS
RT-OFF ROAD VEHICLES
PROJECTILES
-TRACKED VEHICLES SELF PROPELLED VEHICLES NT SELF PROPELLED ARTILLERY
RT--MILITARY VEHICLES
-- OFF ROAD VEHICLES
PERSONNEL CARRIERS -- TRACKED VEHICLES -- TRUCKS -- WEAPON CARRIERS SELF STRESSING CEMENTS
BT EXPANSIVE CEMENTS SELF STRESSING CONCRETES 3
BT EXPANSIVE CEMENT CONCRETES
RT PRESTRESSED CONCRETE

SEMIARID REGIONS BT REGIONS RT ARID REGIONS ARROYOS GEOGRAPHY IRRIGATION CANALS SUBHUMID REGIONS SEMIBURIED STRUCTURES 2 3 4 5 use MOUNDED STRUCTURES SEMICONDUCTORS 6 RT TRANSISTORS TUNNEL DIODES SEMINARS 5 6 use MEETINGS SEMIRIGID MODELS NOTE: Hydraulic models with cer-tain parts fixed and certain parts movable BT HYDRAULIC MODELS MODELS BED MATERIALS (MODELS) ESTUARY MODELS
FIXED BED MODELS
HYDRAULIC SIMILITUDE
MOVABLE BED MODELS TIDAL MODELS SEMITRAILERS 5
BT CARGO VEHICLES
ROAD VEHICLES
TOWED VEHICLES
TOWED WHEELS
WHEELED VEHICLES
RT COUPLINGS (VEHICLES)
TRAILERS -- TRUCKS UTILITY CARRIERS WHEELED TRACTORS SENSING DEVICES 3 4 use SENSORS SENSITIVE CLAYS CLAYS COHESIVE SOILS BT FINE GRAINED SOILS QUICK CLAYS REMOLDING TESTS SENSITIVITY SENSITIVITY NOTE: Effect of remolding on the strength of a cohesive soil
RT REMOLDED CLAYS
REMOLDED SOIL SAMPLES
SENSITIVE CLAYS
SENSITIVE CLAYS
SENSITIVE CLAYS -- SHEAR STRENGTH (SOILS)
UNCONFINED COMPRESSION TESTS (SOILS)
-- VANE SHEAR TESTS SENSITIVITY RATIO 2
NOTE: Ratio of the unconfined compressive strength of an undisturbed specimen of soil to the unconfined compressive strength of a specimen of the same soil after remolding at unaltered water content UF REMOLDING SENSITIVITY RT REMOLDED SOIL SAMPLES SENSITIVITY UNCONFINED COMPRESSION TESTS UNCONFINED COMPRESSION TESTS UNDISTURBED SOIL SAMPLES SENSORS 1 2 3 4 5 6

NOTE: Devices designed to respond
to a physical stimulus (as temperature, illumination and motion)
and transmit a resulting signal
for interpretation or measurement
or for operating a control

SERVOMECHANISMS 1 6
UF SERVO SYSTEMS
BT CONTROL EQUIPMENT
CONTROLLERS
NT SERVOMOTORS SENSORS (Con.)
UF SENSING DEVICES
NT ELECTROMAGNETIC SENSORS
NULL INDICATORS PRESSURE SENSORS SEISMIC SENSORS ACTUATORS -- AUTOMATIC CONTROL THERMOSTATS TRANSDUCERS AUTOMATION REMOTE CONTROL UNDERWATER SENSORS

BORDER SECURITY

-- CONTROL EQUIPMENT
-- DETECTORS SPEED REGULATORS SERVOMOTORS 6
BT CONTROL EQUIPMENT -- GAGES GEOPHONES CONTROLLERS GEOPHONES
OF THE PROPERTY OF T MOTORS SERVOMECHANISMS RT ELECTRIC MOTORS SESSILE ALGAE NOTE: Stationary algae
BT ALGAE
PLANTS (BOTANY)
RT--AQUATIC ALGAE
LICHENS PERIPHYTON SESTON ESTON 7
NOTE: Aggregate of substances and organisms that float or swim in water, including the Bioseston (living organisms) and the Abioseston (non-living)
NT--AQUATIC BACTERIA
--AQUATIC MICHOORGANISMS
DINOFLAGELLATES
MARINE BACTERIA SEPARATION CLARIFICATION DEAERATION DEOXYGENATION DESALTING DESICCATION DESORPTION DEWATERING DISTILLATION MARINE BACTERIA NANNOPLANKTON ELECTRODIALYSIS ELUTRIATION ROTIFERS EXTRACTION FILTRATION THERMOPHILES ION EXCHANGE TRIPTON AQUATIC MICROBIOLOGY BIOTA PRECIPITATION (CHEMISTRY)
REVERSE OSMOSIS -- ORGANIC MATTER ORGANIC WASTES PRIMARY PRODUCTIVITY SCREENING SKIMMING AERATION COAGULATION -- ZOOPLANKTON SET RETARDING AGENTS 3
use RETARDANTS (CONCRETE) -- DECONTAMINATION
-- DIFFUSION DISPERSION EVAPORATION SETTING (CEMENT) 3 use CEMENT SETTING FLOCCULATION PERCOLATION SETTING TIME PURIFICATION UF TIME OF SETTING
RT ADHESIVES
CEMENT SETTING
CEMENTATION SEDIMENTATION SORPTION SUBLIMATION -- VAPORIZING -- CEMENTS SEPTIC TANKS NOTE: Underground tanks used for the deposition of domestic wastes RT--DISPOSAL SETTLEMENT ETTLEMENT 1 2 3 5 NOTE: Sinking of a structure due to the compression or movement of the subsoil or strata beneath SETTLING BASINS (WASTES) 1t
UF SOIL SETTLEMENT
BT DEFORMATION SEWAGE DISPOSAL
-- SEWAGE TREATMENT
-- WASTE DISPOSAL DEFORMATION
ALLOWABLE SETTLEMENT
DIFFERENTIAL SETTLEMENT
EARTH LAM SETTLEMENT
FOUNDATION SETTLEMENT
FILE SETTLEMENT
ROCKFILL DAM SETTLEMENT
COLLAPSIBLE SOILS
COMPRESSIBILITY (SOILS) SEQUENTIAL ANALYSIS 6
BT STATISTICAL ANALYSIS
RT MONTE CARLO METHOD
SAMPLING (STATISTICS) SERPENTINE BT MINERALS SILICATE MINERALS -- COMPRESSION -- CONSOLIDATION (SOILS) ASBESTOS -- CREEP -- DISPLACEMENT SERVICING 1 2 3 4 UBE MAINTENANCE -- EARTH MOVEMENTS PRELOADING (SOILS) QUICK CLAYS

1

SERVO SYSTEMS 6
use SERVOMECHANISMS

SETTLING BASINS (WASTES)
BT BASINS (CONTAINERS)
RT DEPOSITION
SEDIMENTATION TANKS SETTLEMENT (Con.)
SAND DRAINS SETTLEMENT ANALYSIS SETTLEMENT CONTROL SETTLEMENT MEASUREMENT
SETTLEMENT MEASUREMENT
SETTLEMENT REFERENCE POINTS
SOIL DEPORMATION
SOIL SHRINKAGE
STELLING AND MERCHAGE SEPTIC TANKS SEWAGE TREATMENT SLUDGE -- WASTE DISPOSAL -- WASTE TREATMENT SOIL SHILLMAND STRUCTURAL ENGINEERING SUBSIDENCE TIME SETTLEMENT RELATIONSHIP SETTLING TANKS 7
use SEDIMENTATION TANKS VIBRATION EFFECTS ETTLING VELOCITY 1
UF FALL VELOCITY
BT VELOCITY
RT--SEDIMENT LOAD
SEDIMENTATION RATES SETTLING VELOCITY SETTLEMENT ANALYSIS 2
RT--BEARING CAPACITY
COEFFICIENT OF COMPRESSIBILITY
COEFFICIENT OF VOLUME COM-COEFFICIENT OF VOLUME COM-PRESSIBILITY COMPRESSION INDEX CONSOLIDATION TESTS (SOILS) DIFFERENTIAL SETTLEMENT FOUNDATION SETTLEMENT INFLUENCE CHARTS LOAD TESTS (FOUNDATIONS) LOADING RATE LOADING TIME PRESSURE VOID RATIO CURVES RIGID BOUNDARIES SETTLEMENT SETTLING BASINS (SEDIMENT) STOKES LAW VISCOSITY SEWAGE EWAGE 1 7 RT AGRICULTURAL WASTES CHEMICAL WASTES EFFLUENT REUSE EFFLUENTS
-- INDUSTRIAL WASTES
LIQUID WASTES
ORGANIC WASTES -- SETTLEMENT SETTLEMENT CONTROL SETTLEMENT RECORDS RADIOACTIVE WASTES
- REFUSE
SEWAGE DISPOSAL
SEWAGE EFFLUENTS
- SEWAGE TREATMENT
SEWAGE TREATMENT PLANTS SOIL PRESSURE TIME SETTLEMENT RELATIONSHIP SETTLEMENT CONTROL 2 5
RT--COMPACTION (SOILS)
--CONSTRUCTION CONTROL
PRECONSOLIDATION SEWERAGE -- SEWERS SLUDGE
WASTE WATER
WATER ANALYSIS
--WATER POLLUTION
WATER POLLUTION SOURCES
WATER QUALITY PRELOAD FILLS
SAND DRAIN CONSTRUCTION
-- SETTLEMENT SETTLEMENT ANALYSIS SETTLEMENT RECORDS -- WATER TREATMENT SURCHARGE SETTLEMENT MEASUREMENT 2
RT LEVELING
-- SETTLEMENT SEWAGE DISPOSAL 1 7 BT DISPOSAL WASTE DISPOSAL
RT-INDUSTRIAL WASTES
SANITARY ENGINEERING
SANITATION SETTLEMENT RECORDS
SETTLEMENT REFERENCE POINTS
STRAIN MEASUREMENT
VERTICAL MOVEMENT DEVICES SEPTIC TANKS SEWAGE SEWAGE EFFLUENTS SEWAGE TREATMENT SETTLEMENT RECORDS 2 RT-- DAMAGE
DISTORTION (STRUCTURAL)
FOUNDATION FAILURES
PRESSURE VOID RATIO CURVES SEWERAGE -- SEWERS STREAM POLLUTION
WASTE WATER DISPOSAL
--WATER POLLUTION -- SETTLEMENT
SETTLEMENT ANALYSIS
SETTLEMENT CONTROL
SETTLEMENT MEASUREMENT SEWAGE EFFLUENTS 1 7
BT EFFLUENTS SHEAR CRACKS TENSION CRACKS SANITARY ENGINEERING TIME SETTLEMENT RELATIONSHIP SEWAGE SEWAGE DISPOSAL
-WATER POLLUTION
WASTE WATER DISPOSAL SETTLEMENT REFERENCE POINTS
RT BENCH MARKS
--DAM INSTRUMENTATION
DAM PEPFORMANCE SEWAGE SYSTEMS use SEWEFAGE -- SETTLEMENT SETTLEMENT MEASUREMENT SEWAGE TREATMENT E TREATMENT 1 7
WASTE TREATMENT
TERTIARY TREATMENT
ACTIVATED CAPBON TREATMENT
ACTIVATED SLUDGE PROCESS SETTLING BASINS (SEDIMENT) ETTLING BASINS (SEDIMENT) 1
NOTE: Artificial trap designed
to collect suspended stream
sediment before discharge of
the stream into a reservoir
UF SEDIMENTATION BASINS
BT BASINS (CONTAINERS)
RT DEPOSITION
DESILTING
SEDIMENT CONTROL ACTIVATED SLODGE PRO AERATION AEROBIC BACTERIA AEROBIC PROCESSES -- ANAEROBIC BACTERIA ANAEROBIC PROCESSES BIODEGRADATION SEDIMENT CONTROL SETTLING VELOCITY CARBON FILTERS CHLORINATION

CLARIFICATION

SEWAGE TREATMENT (Con.)	SEWERS (Con.)
CLARIFIERS	PIPES
COAGULATION	PUBLIC WORKS
EFFLUENTS	PUMPING STATIONS SANITARY ENGINEERING
FILTRATION FLOCCULATION	SANITATION
INCINERATION	SEWAGE
INCINERATORS	SEWAGE DISPOSAL
INDUSTRIAL WASTE TREATMENT	SEWAGE TREATMENT
INSECT CONTROL	SEWER OUTFALLS SEWER PIPES
LAGOONS (PONDS)	SEWERAGE
OSMOSIS POLLUTION	SIPHONS
RADIOACTIVE WASTES	SUBSURFACE DRAINAGE
REVERSE OSMOSIS	URBAN AREAS
SANITARY ENGINEERING	URBAN PLANNING
SEDIMENTATION SEDIMENTATION TANKS	URBANIZATION WASTE DISPOSAL
SEPAGE	WASTES
SEPTIC TANKS	
SETTLING BASINS (WASTES)	SH WAVES 4
SEWAGE	use SHEAR WAVES
SEWAGE DISPOSAL	SHADOWGRAPH PHOTOGRAPHY 1
SEWERAGE SEWERS	BT PHOTOGRAPHY
SKIMMING	NT SCHLIEREN PHOTOGRAPHY
SLUDGE DIGESTION	RT FLOW VISUALIZATION
SLUDGE DISPOSAL	QUARTE VIII 2
STREAM POLLUTION	SHAFT KILNS 3 use KILNS
TRICKLING FILTERSWASTE DISPOSAL	use KILIIS
WASTE WATER TREATMENT	SHAFT RESISTANCE (PILES) 2
WATER ANALYSIS	NT NEGATIVE SKIN FRICTION
WATER POLLUTION	POSITIVE SKIN FRICTION
WATER POLLUTION SOURCES	SKIN FRICTION (PILES) SOIL ADHESION
WATER QUALITY WATER RECLAMATION	RT PILE BEARING CAPACITY
WATER TREATMENT	PILE LOAD TESTS
	POINT RESISTANCE (PILES)
SEWAGE TREATMENT PLANTS 1	STATIC PILE FORMULAS
RT SANITARY ENGINEERING	SHAFT SPILLWAYS 1
SETTLING BASINS	UF MORNING GLORY SPILLWAYS
SEWAGE SPREADING BASINS	BT SPILLWAYS
WASTE WATER DISPOSAL	RT CAVITATION
WATER TREATMENT	CLOSED CONDUIT SPILLWAYS
	CONDUIT BENDS
SEWER OUTFALLS 1 BT CONDUITS	DAMS ENERGY DISSIPATION
RT SEWERS	FLASHBOARDS
WATER WAVE ACTION ON MARITIME	SPILLWAY CRESTS
STRUCTURES	STILLING BASINS
grupp proper 1 0 3	SHAFTS (EXCAVATIONS) 2 4
SEWER PIPES 1 2 3 BT CONDUITS	NOTE: Vertical or sloping passages
PIPES	giving access to underground
RT CLAY PIPES	works from ground level
CONCRETE PIPES	UF MINE SHAFTS
SEWERS	RT ACCESSIBLE EXPLORATION ADITS
SEWERAGE 7	BLASTING
NOTE: Entire system of sewage col-	EXPLORATION
lection, treatment and disposal	EXCAVATION
UF SEWAGE SYSTEMS	MINES (EXCAVATIONS)MINING
RT PUMPING STATIONS	SHORING
SEWAGE DISPOSAL	TIMBERS
SEWAGE TREATMENT	TUNNELS
SEWERS	WELLS
	SHAKE TABLE TESTS 2 4
SEWERS 1 2 3 7 BT CONDUITS	BT SOIL TESTS (LABORATORY)
NT COMBINED SEWERS	RT EARTHQUAKE SIMULATION MODELS
OUTFALL SEWERS	MODEL TESTS
SANITARY SEWERS	SHAKING TESTS 2
STORM SEWERS	use DILATANCY TESTS
RT BACKWATER CATCH BASINS	use DILMINIOI IESIS
CLAY PIPES	SHALES 2 3
DRAINAGE STRUCTURES	BT ROCKS
DRAINAGE SYSTEMS	SEDIMENTARY ROCKS
DRAINS	SILICEOUS ROCKS NT CLAY SHALES
GUTTERS (PAVEMENTS) HYDROGEN SULFIDE	OIL SHALES
MANHOLES	RTCLAYS
PIPELINES	CLAYSTONES

S (Con.) EXPANDED SHALE AGGREGATES SHALES -- LIGHTWEIGHT AGGREGATES MUDSTONES SANDSTONES -- SILTS SILTSTONES SLATES SHALLOW EXPLORATION 4
RT SUBSURFACE EXPLORATION SHALLOW FOUNDATIONS UF SPREAD FOUNDATIONS BT FOUNDATIONS FOUNDATIONS CANTILEVER FOOTINGS CANTILLE FROOTINGS
CIRCULAR FOOTINGS
COLUMN FOOTINGS
COMBINED FOOTINGS
--CONTINUOUS FOOTINGS
FLOATING FOUNDATIONS -- FOOTINGS GRILLAGE FOOTINGS
MAT FOUNDATIONS
RECTANGULAR FOOTINGS
SQUARE FOOTINGS
TRAPEZOIDAL FOOTINGS
RT-- GROUNDWATER SHALLOW WATER BT WATER RT LAGOONS (LANDFORMS) LITTORAL ZONE -- MARSHES -- REEFS SANDBARS SHALLOW WATER WAVES SHOALING SHOALS SPITS (COASTAL) SURFACE WATERS -- SWAMPS TIDAL MARSHES -- WETLANDS SHALLOW WATER WAVES 1
NOTE: Surface wave the length
of which is more than twice
the depth of the water
BT WATER WAVES
RT SHALLOW WATER SHAPED CHARGES BT EXPLOSIVE CHARGES
RT--AMMUNITION
--BOMBS (ORDNANCE)
CONVENTIONAL WEAPONS DEMOLITION DEMOLITION CHARGES DEPTH CHARGES -- EXPLOSIVES MUNITION BURSTS -- PROJECTILES TORPEDOES -- WARHEADS -- WEAPONS SHARP-CRESTED WEIRS 1 WEIRS BROAD-CRESTED WEIRS CIPOLLETTI WEIRS DISCHARGE MEASUREMENT FLOW MEASUREMENT RECTANGULAR WEIRS SUBMERGED WEIRS VEE-NOTCHED WEIRS WEIR CRESTS WEIR PONDS 1 2 SHEAR use SHEAR PROPERTIES SHEAR APPARATUS 2 3 use SHEAR EQUIPMENT

HEAR CRACKS 2
RT--CRACKING (FRACTURING)
DISTORTION (STRUCTURAL)
EMBANKMENT CRACKING SHEAR CRACKS MECHANICAL PROPERTIES SETTLEMENT RECORDS SHEAR FAILURE -- SHEAR PROPERTIES SHRINKAGE CRACKING STRUCTURAL BEHAVIOR TENSION CRACKS SHEAR DRAG 1
BT RESISTANCE
RT AIR-EARTH INTERFACES
-- BOUNDARIES (SURFACES)
BOUNDARY PROCESSES -- EARTH WATER INTERFACES EQUIPMENT 2 3 5 SHEAR APPARATUS MEASURING INSTRUMENTS SOIL STRENGTH TEST INSTRUMENTS ANNULAR SHEAR EQUIPMENT SHEAR EQUIPMENT NT ANNULAR SHEAR EQUIPMENT
BEVAMETERS
COHRON SHEARGRAPH
DIRECT SHEAR EQUIPMENT
FIELD VANE SHEAR EQUIPMENT
LABORATORY VANE SHEAR EQUIPMENT
PLANE STRAIN EQUIPMENT
SIMPLE SHEAR EQUIPMENT
TORSION SHEAR EQUIPMENT
TRIAXIAL SHEAR EQUIPMENT
TRIAXIAL SHEAR EQUIPMENT
HT-- CONE PENETROMETERS
CUTTING BLADES
DIAL GAGES CUTTING BLADES
DIAL GAGES
FILTER STONES
POTENTIOMETERS
-PRESSURE GAGES
PRESSURE REGULATORS
PROVING FRAMES
PROVING FRAMES
-RECORDING INSTRUMENTS
SHEAD STEPMORTH -- SHEAR STRENGTH SHEAR STRENGTH (SOILS) -- SHEAR TESTS SHEARGRAPH TESTS -- TRAFFICABILITY TEST INSTRUMENTS TRANSDUCERS SHEAR FAILURE BT FAILURE (MECHANICS)
RT--BEARING CAPACITY COULOMB EQUATION
EMBANKMENT CRACKING
MOHR-COULOMB THEORY
MOHR ENVELOPE SHEAR CRACKS SHEAR MODULUS SHEAR PLANES -- SHEAR PROPERTIES -- SHEAR STRENGTH -- SHEAR TESTS SHEAR FORCES 2 3 4 use SHEAR STRESS SHEAR MODULUS 2 3 4

NOTE: Ratio of the shear stress to
the corresponding shear strain for
shear stresses below the porportional
limit in shear of the material
UF MODULUS OF RIGIDITY
TORSIONAL MODULUS
BT MECHANICAL PROFERTIES
MODULUS OF DEFORMATION
MODULUS OF DEFORMATION
MODULUS OF DEFORMATION
MODULUS OF DEFORMATION SHEAR PROPERTIES BULK MODULUS CONSTRAINED MODULUS ELASTIC DEFORMATION ELASTICITY -- FRACTURE PROPERTIES SHEAR FAILURE --SHEAR TESTS

SHEAR MODULUS (Con.)
STRESS-STRAIN CURVES
--STRESS-STRAIN RELATIONS
THEORY OF ELASTICITY SHEAR STRENGTH (Con.) CREEP STRENGTH INTRINSIC FORCES
LARGE SCALE SHEAR TESTS
MODULUS OF RUPTURE
MOHR CIRCLE
MOHR COULOMB THEORY
PERIMETER SHEAR
-- PLANE STRAIN SHEAR TESTS
-- SHEAR EQUIPMENT
SHEAR FAILURE
SHEAR FLANES
SHEAR STRAIN
SHEAR STRESS
STRENSTH OF MATERIALS INTRINSIC FORCES PLANES 2 MOHR-COULOMB THEORY PHINCIPAL PLANES SHEAR PLANES SHEAR FAILURE -- SHEAR PROPERTIES -- SHEAR STRENGTH -- SHEAR TESTS SHEAR PROPERTIES 1 2 3 4 SHEAR MECHANICAL PROPERTIES UF SHEAR STRESS
STRENGTH OF MATERIALS
-- STRENGTH THEORIES
-- TENSILE STRENGTH
-- TORSION SHEAR TESTS
TORSIONAL STRENGTH (CONCRETE)
-- TRIAXIAL SHEAR TESTS
ULTIMATE STRENGTH
-- VANE SHEAR TESTS
YIELD POINT
YIELD STRENGTH BT MECHANICAL PROPERTIES
NT BEARING STRESS
SHEAR MODULUS
--SHEAR STRENGTH
SHEAR STRENGTH (CONCRETE)
SHEAR STRENGTH (ROCK)
SHEAR STRENGTH (SOILS)
TORSIONAL STRENGTH (CONCRETE)
RT-BEARING CAPAGITY
OFFICE MODULUS CHORD MODULUS - COMPRESSIVE PROPERTIES SHEAR STRENGTH (CONCRETE)
BT CONCRETE PROPERTIES
CONCRETE STRENGTH
MECHANICAL PROPERTIES COULOMB EQUATION - CREEP PROPERTIES DIAGONAL TENSION DUCTILITY ELASTIC LIMIT FATIGUE (MATERIALS) SHEAR PROPERTIES SHEAR STRENGTH HYSTERESIS
IMPACT STRENGTH
INITIAL TANGENT MODULUS
- MODULUS OF DEPORMATION
- MODULUS OF ELASTICITY
RESILIENCE COMPRESSION TESTS (CONCRETE)
COMPRESSIVE STRENGTH (CONCRETE) -- SHEAR TESTS TENSILE STRENGTH (CONCRETE) SHEAR STRENGTH (ROCK) 2 3
BT MECHANICAL PROPERTIES
ROCK PROPERTIES
POCK STRENGTH
SHEAR PROPERTIES
SHEAR STRENGTH SECANT MODULUS SHEAR CRACKS SHEAR FAILURE SHEAR PLANES SHEAR RATE SHEAR STRAIN SHEAR STHENGTH (FOCK)
- COMPRESSION TESTS
COMPRESSION TESTS
COMPRESSIVE STRENGTH (FOCK)
- SHEAR TESTS
TENSILE STRENGTH (FOCK) SHEAR STRESS SHEAR STRESS
-SHEAR TESTS
-SOIL MECHANICS
-STRAINS
STRESS RELAXATION
-STRESS-STRAIN RELATIONS
-STRESSES
TANOENT MODULUS
-TENSILE PROPERTIES
TORSION SHEAF STRENGTH (SNOW)
use SNOW STRENGTH SHEAR STRENGTH (SOILS) 2 4 5
BT MECHANICAL PROPERTIES
SHEAR PROPERTIES
SHEAR STRENGTH
SOIL PROPERTIES
SOIL STRENGTH
RT BEVAMETERS
BOREHOLE EXPANSION TESTS
COMPRESSION TESTS
COMPRESSION TESTS
COMPRESSION STRENGTH (SOILS)
CONE INDEX TOUGHNESS SHEAR RATE RT LOADING RATE
--SHEAR PROPERTIES
--SHEAR TESTS SHEAR RESISTANCE use SHEAR STRENGTH SHEAR STRAIN -- CONE PENETRATION TESTS UF TANGENTIAL STRAIN CONSISTENCY (SOILS)
CUTTING BLADES
SENSITIVITY STRAINS NORMAL STRAIN COTTING BLADES
SENSITIVITY
-- SHEAR EQUIPMENT
-- SHEAR EQUIPMENT
-- SHEAR EESTS
SHEARGRAPH TESTS
-- SLOPE STABILITY ANALYSIS
SOIL CLASSIFICATION
-- SOIL PENETRATION TESTS
SOIL PHYSICS
-- SOIL STRENGTH TEST INSTRUMENTS
STERGTH OF MATERIALS
STRENGTH THEOPIES
STRESS HISTORY
SUFFACE SOIL STRENGTH
TENSILE STRENGTH (SOILS)
TRAFFICABILITY CLASSIFICATION
TRAFFICABILITY DATA
-- VANE SHEAR TESTS -- SHEAR PROPERTIES
-- SHEAR STRENGTH
SHEAR STRESS
-- SHEAR TESTS SHEAR STRENGTH 1 2 3 4 UF SHEAR RESISTANCE BT MECHANICAL PROPERTIES SHEAR PROPERTIES NT-- COHESION INTERNAL FRICTION NTERNAL FRICTION
PEAK STRENGTH
RESIDUAL SHEAR STRENGTH
SHEAR STRENGTH (CONCRETE)
SHEAR STRENGTH (ROCK)
SHEAR STRENGTH (SOILS) RT--COMPRESSION TESTS --COMPRESSIVE STRENGTH -- VANE SHEAR TESTS COULOMB EQUATION

SHEAR TESTS (Con.)
-- STRESS- STRAIN RELATIONS SHEAR STRENGTH TEST INSTRUMENTS USE SOIL STRENGTH TEST INSTRUMENTS -- TENSION TESTS TEST PROCEDURES SHEAR STRESS 2 3 4 UF SHEAR FORCES TANGENTIAL STRESS TORQUE UNIAXIAL COMPRESSION TESTS (ROCK) SHEAR VANE 2 5
use VANE SHEAR EQUIPMENT STRESSES STHESSES
CIRCUMFERENTIAL STRESS
COEFFICIENT OF VISCOSITY
COMPRESSIVE STRESS
CONCRETE STRESSES
DEVIATOR STRESS
DILATANCY (ROCK) SHEAR WAVES 2 3 4
UF DISTORTIONAL WAVES
EQUIVOLUMINAL WAVES HORIZONTALLY POLARIZED SHEAR DILATANCY (ROCK)
MOHR CIRCLE
--NORMAL STRESS
PRINCIPAL STRESS
--SHEAR PROPERTIES
SHEAR STRAIN
--SHEAR STRENGTH
--SHEAR TESTS
STIEBILES WAVES ROTATIONAL WAVES (SOLID MEDIA) S WAVES SECONDARY WAVES SH WAVES SV WAVES TRANSVERSE WAVES STIRRUPS TENSILE STRESS VISCOSITY VERTICALLY POLARIZED SHEAR WAVES BT ELASTIC WAVES WAVES AR TESTS 1 2 3 4 5
F SHEARING TESTS
T ANNULAR SHEAR TESTS
DIRECT SHEAR TESTS
FIELD VANE SHEAR TESTS
LABORATORY VANE SHEAR TESTS
LARGE SCALE SHEAR TESTS
PLANE STRAIN SHEAR TESTS
PLANE STRAIN SHEAR TESTS
PLANE STRAIN SHEAR TESTS (ROCK)
PLANE STRAIN SHEAR TESTS (SOILS)
Q TESTS (SOILS) SHEAR TESTS COMPRESSION WAVES PLANE WAVES SEISMIC SURVEYS STRESS WAVES VIBRATORY INVESTIGATIONS SHEARGRAPH TESTS 5
BT SHEAR TESTS
RT COHRON SHEARGRAPH
-- FIELD TESTS -- FIELD TESTS
-- SHEAR EQUIPMENT
SHEAR STRENGTH (SOILS)
-- SOIL TESTS (LABORATORY)
TORQUE
TRAFFICABILITY DATA Q TESTS (SOILS) H TESTS (SOILS) S TESTS (SOILS) SHEARGRAPH TESTS SIMPLE SHEAR TESTS
TORSION SHEAR TESTS
TORSION SHEAR TESTS (ROCK)
TORSION SHEAR TESTS (SOILS) VANE SHEAR TESTS SHEARING TESTS 1 2 3 4 5 use SHEAR TESTS TORSION SHEAR TESTS (SOILS)

- TRIAXIAL SHEAR TESTS (ROCK)

TRIAXIAL SHEAR TESTS (SOILS)

UNCONFINED COMPRESSION TESTS SHEDS RT BARNS -- SHELTERS (SOILS) SHEEPSFOOT ROLLERS BEVAMETERS -- COHESION UF TAMPING ROLLERS BT COMPACTION EQUIPMENT -- COMPRESSION TESTS
-- COMPRESSION TESTS
-- CREEP TESTS CONSTRUCTION EQUIPMENT NT VIBRATORY SHEEPSFOOT ROLLERS RT--CLAYEY SOILS KNEADING COMPACTION DIAMETRAL COMPRESSION TESTS (ROCK)
FATIGUE (MATERIALS)
FATIGUE TESTS - FIELD TESTS
HIGH TEMPERATURE TESTS
IMPACT TESTS
INTERNAL FRICTION SHEET EROSION OVERLAND FLOW SHEET FLOODS SOIL EROSION LOW TEMPERATURE TESTS MOHR CIRCLE SURFACE RUNOFF PERIMETER SHEAR
POLYAXIAL COMPRESSION TESTS VEGETATION EFFECTS (ROCK)
RADIATION TESTS SHEET FLOODS 1 - SHEAR EQUIPMENT SHEAR PAILURE SHEAR MODULUS SHEAR PLANES - SHEAR PROPERTIES SHEAR RATE FLASH FLOODS SHEET EROSION SHEET FLOW SOIL EROSION SHEAR RATE
SHEAR STRAIN
SHEAR STRENGTH (CONCRETE)
SHEAR STRENGTH (ROCK)
-- SHEAR STRENGTH (SOILS)
SHEAR STRESS
SOIL TESTS (LABORATORY)
-- STATIC TESTS
STRAIN MEASUREMENT
STRAIN RATE
STERSS STRAIN CURVES SHEET FLOW FLOW FLOW PATTERNS BT OVERLAND FLOW SHEET FLOODS -- UNSTEADY FLOW SHEET PILE WALLS
use SHEET PILING

STRESS- STRAIN CURVES

SHEET PILES 2 3 PILES CONCRETE SHEET PILES STEEL SHEET PILES TIMBER SHEET PILES ANCHOR WALLS BRACED COFFERDAMS PRACED COFFERDAMS -- BRACINGS -- BRACINGS
-- BREAKWATERS
CELLULAR COPFERDAMS
DOUBLE WALL COFFERDAMS
QUAY WALLS
-- RETAINING WALLS
-- REVERMENT
SHEET FILING
SINGLE WALL COFFERDAMS SHEET PILING ET PILING 1 2 3 DTE: May be timber, concrete or steel; installed vertically by steel; installed vertidriving
UF SHEET PILE WALLS
RT ANCHORED BULKHEADS
- BULKHEADS
- CELLULAR COFFERDAMS
- COFFERDAMS
CONCRETE PILES
CORE WALLS
- EARTH PRESSURE
HORIZONTAL LOADS
IMPERVIOUS CUTOFFS
LAGGING QUAY WALLS RETAINING WALLS -- SHEET PILES SHEETING TRENCH BRACING SHEETING 1 2
NOTE: Vertical timber planks used
as lining in excavations
RT ANCHORED BULKHEADS
BRACED COFFERDAMS
BRACED EXCAVATIONS -- EARTH PRESSURE -- EXCAVATION HORIZONTAL LOADS LAGGING LIMBER LUMBER
RETAINING WALLS
SHEET PILING
SHORING
TIMBER CONSTRUCTION
TRENCH BRACING -- WALLS SHELBY TUBE SAMPLERS 2
use THIN WALL OPEN SAMPLERS SHELL STRUCTURES 2 3 4 6 use SHELLS (STRUCTURAL FORMS) SHELLFISH FISH 7 AQUATIC ANIMALS INVERTEBRATES MARINE ANIMALS CLAMS -- CRUSTACEA DAPHNIA OYSTERS SHRIMPS -- MULLUSCA SHELL- LESS PILES use UNCASED PILES SHELLS (ARTILLERY)
use PROJECTILES SHELLS (CONSTRUCTION MATERIAL) OTE: Sea shells used in con-struction work RT COQUINA ROAD MATERIALS

SHELLS (STRUCTURAL FORMS) 2 3 4 6 UF CONCRETE SHELLS F CONCRETE SHELLS
SHELL STRUCTURES
THIN SHELL STRUCTURES
T STRUCTURAL FORMS
F BARREL SHELLS
CYLINDRICAL SHELLS
CYLINDRICAL SHELLS
- DOMES (STRUCTURAL FORMS)
ELASTIC SHELLS
HYPERBOLIC PARABOLIC SHELLS RT-- ARCHES
-- BUILDINGS CONCRETE FOLDED PLATES
-- FOLDED PLATES
MEMBRANE THEORY (SHELLS)
-- PLATES (STRUCTURAL MEMBERS) -- STRUCTURAL DESIGN
-- STRUCTURAL MEMBERS
SUSPENDED STRUCTURES SHELTER CONSTRUCTION BT CONSTRUCTION
UNDERGROUND CONSTRUCTION
RT FALLOUT SHELTERS
PROTECTIVE CONSTRUCTION SAFETY ENGINEERING -- SHELTERS SHELTER DESIGN 3 4 BT DESIGN RT FALLOUT SHELTERS SAFETY ENGINEERING SHELTER ENTRANCES 4
RT BLAST DOORS
FALLOUT SHELTERS
-- PROTECTIVE STRUCTURES SAFETY ENGINEERING -- SHELTERS UNDERGROUND OPENINGS SHELTER OCCUPANCY 4
RT CIVIL DEFENSE
FALLOUT SHELTERS
-- PROTECTIVE STRUCTURES SAFETY SAFETY ENGINEERING -- SHELTERS SHELTER TESTS 3 4
NOTE: Testing of shelters
RT FALLOUT SHELTERS
SAFETY ENGINEERING -- SHELTERS HELTERS 2 3 4

UF BOMB SHELTERS
PERSONNEL SHELTERS
BT PROTECTIVE STRUCTURES
NT AIR RAID SHELTERS
AIRCRAFT SHELTERS
FALLOUT SHELTERS
FALLOUT SHELTERS SHELTERS BLAST CLOSURE VALVES BLAST DOORS BLAST RESISTANT STRUCTURES -- BUILDINGS
CELLULAR PLASTICS
CIVIL DEFENSE
-- FORTIFICATIONS
MILITARY ENGINEERING
MOUNDED STRUCTURES
-- NATIONAL DEFENSE
NUCLEAR WARFARE DEFENSE
NUCLEAR WEAPONS EFFECTS
RADIATION PROTECTION
RADIOACTIVE FALLOUT
RADIOLOGICAL DEFENSE
SAFETY
SHEDS BUILDINGS SHEDS SHELTER CONSTRUCTION SHELTER DESIGN SHELTER ENTRANCES SHELTER OCCUPANCY

SHELTERS (Con.)
SHELTER TESTS
--UNDERGROUND CONSTRUCTION
UNDERGROUND FACILITIES
UNDERGROUND OPENINGS
UNDERGROUND STRUCTURE DESIGN SHIPBUILDING 1 6
RT CONSTRUCTION
MARINE ENGINEERING -- SHIPS SHIPPING BT TRANSPORTATION RT CARGO MATERIALS HANDLING -- UNDERGROUND STRUCTURES SHIELD METHOD (TUNNELING) 2 3 RT HYDRAULIC JACKS TUNNEL CONSTRUCTION TUNNELING MACHINES -- SHIPS SHIPS UF VESSELS (SHIPS) NT CONTAINERSHIPS -- TUNNELS UNDERGROUND CONSTRUCTION SUBMARINES SUPERSHIPS SHIELDING DING 3 4
CONCRETE SHIELDING
HEAT SHIELDING TANKER SHIPS AMPHIBIAN VEHICLES RADIATION SHIELDING RT--LININGS -- BOATS HYDROFOILS HYDROFOILS
NAVAL ARCHITECTURE
NAVAL SCIENCE
SHIP LIFTS
SHIP MANEUVERING
SHIP MODELS
SHIP MOTION
SHIP PROPULSION
SHIP PESISTANCE
SHIP TRANSIT CAPACITIES
SHIP WAVES
SHIP WAVES -- PANELS SAFETY DEVICES SHIFTING EQUILIBRIUM FLOW BT EQUILIBRIUM FLOW FLUID FLOW GAS FLOW RT FROZEN EQUILIBRIUM FLOW SHINGLES HINGLES 3 RT ASBESTOS CEMENT PRODUCTS ROOFING SHIPBUILDING SHIPPING SQUAT OF VESSELS WATER WAVE ACTION ON SHIPS SHINGLES (BEACH) 1 2
NOTE: Beach deposit of coarse,
loose, water-worn gravel and
pebbles
BT COARSE GRAINED SOILS
GRANULAR MATERIALS
BT DECOMES SHOALING COASTS COASTS
DEPOSITION
GEOMORPHOLOGY
LITTORAL CURRENTS
SEDIMENT CONCENTRATION
SEDIMENT CONTROL
- SEDIMENT TRANSPORT RT- - BEACHES -- GRAVELS LITTORAL DEPOSITS SHIP ANCHORS 1 2 UF ANCHORS (SHIP) RT ANCHORING SHALLOW WATER SHOALS SHOALING MATERIALS (MODELS) 1
NOTE: Used to indicate shoaling
in fixed-bed models MOORINGS SHIP CANALS HIP CANALS 1 3 use NAVIGATION CANALS NT GILSONITE
FT ESTUARY MODELS
FIXED-BED MODELS
TIDAL MODELS SHIP LIFTS 1 UF BOAT LIFTS RT--SHIPS CUALING WAVES 1 UF WATER WAVES IN SHOALING WATER BT WAVES SHOALING WAVES SHIP MANEUVERING 1 6
RT MANEUVERABILITY
-- NAVIGATION HOALS 1 2 7
NOTE: Submerged sand-banks
RT--BARS (COASTAL)
COASTAL MORPHOLOGY
--COASTAL TOPOGRAPHIC FEATURES -- SHIPS SHIP MODELS 1 6
BT MODELS
RT MODEL BASINS
-- SHIPS COASTS -- GEOMORPHOLOGY -- GEOMORPHOLOGY
-- NAVIGATION
-- REEFS
SANDBARS
SHALLOW WATER
SHOALING
SPITS (COASTAL) SHIP MOTION RT--SHIPS SHIP PIERS 1 2 3 4 use PIERS (DOCKS) SHIP PROPULSION RT--SHIPS SHOCK ABSORPTION 2 3 4 RT BACKPACKING MATERIALS ET BACKPACHING
--DAMPING
DECOUPLING
ENERGY ABSORPTION SHIP RESISTANCE RT-- SHIPS SHIP TRANSIT CAPACITIES 1
UF TRANSIT CAPACITIES (WATERWAYS) - IMPACT
MACHINE FOUNDATIONS
SHOCK ISOLATION
SPRINGS (MECHANICAL)
VIBRATION DAMPING
VIBRATION SUPPRESSORS RT-- SHIPS SHIP WAVES 1 UF BOW WAVES BT WAVES

RT- - SHIPS

SHOCK FRONT 2 3 4 use SHOCK WAVES

SHOCK IMPEDANCE RT SHOCK MECHANICS -- SHOCK WAVES -- VIBRATIONS

SHOCK ISOLATION 2 3 4

RT BACKPACKING MATERIALS
CELLULAR PLASTICS
MACHINE FOUNDATIONS -- PROTECTIVE STRUCTURES
-- RUBBER SHOCK ABSORPTION VIBRATION DAMPING VIBRATION SUPPRESSORS WEAPON FOUNDATIONS

SHOCK LOADS 2 3 4 use IMPULSIVE LOADS

SHOCK MECHANICS 2 3 4 RT-- BLASTING -- IMPACT IMPACT SHOCK -- IMPULSIVE LOADS MECHANICAL SHOCK SHOCK IMPEDANCE SHOCK PRESSURE GAGES SHOCK TESTS SHOCK TRANSDUCERS -- SHOCK WAVES
-- STRESSES
THERMAL SHOCK
TRANSIENT STRESS

SHOCK PRESSURE GAGES
BT PRESSURE GAGES
BT SHOCK MECHANICS

SHOCK RESISTANCE 3 4
UF THERMAL SHOCK RESISTANCE
RT--IMPACT
IMPACT STRENGTH
MECHANICAL SHOCK
THERMAL SHOCK
VIBRATION DAMPING
--VIBRATIONS

SHOCK RESISTANT STRUCTURES use PROTECTIVE STRUCTURES 2 3 4

SHOCK SPECTRA RT HE EXPLOSIONS
-- NUCLEAR EXPLOSIONS
SHOCK TESTS
-- SHOCK WAVES

HOCK TESTS 2 3 4
RT-BLASTING
DYNAMIC RESPONSE
-EXPLOSIONS
-IMPACT TESTS
-IMPULSIVE LOADS
SHOCK MECHANICS
SHOCK SPECTRA
SHOCK TUBES
-SHOCK WAVES
-TRANSIENT LOADS
TRANSIENT STRESS SHOCK TESTS 2 3 4

SHOCK TRANSDUCERS 4
BT TRANSDUCERS
RT SHOCK MECHANICS
SHOCK TESTS

SHOCK TUBES 2 4 OTE: Tubes or tunnels in which supersonic experiments and tests are made
UF SHOCK TUNNELS
BT AIR BLAST SIMULATORS
TUBES RT SHOCK TESTS -- SHOCK WAVES

SHOCK TUNNELS use SHOCK TUBES

NOTE: Region of abrupt change of pressure and density moving as a wave front at or above the velocity of sound, caused by an intense explosion or supersonic SHOCK WAVES flow over a body
HYDRODYNAMIC WAVES SHOCK FRONT ELASTIC WAVES MECHANICAL WAVES

WAVES

WAVES

WAVES

OF COMMENT OF COMME

DEFORMITION WAVES
EARTHQUAKES
--EXPLOSION EFFECTS
--EXPLOSIONS
GROUND SHOCK
HUGONIOT EQUATIONS OF STATE
HYPERSONIC FLOW

-- IMPACT IMPACT SHOCK IMPLOSIONS -- IMPULSIVE LOADS LONGITUDINAL WAVES MACH NUMBER

MACH NUMBER

- MUCLEAR EXPLOSION EFFECTS
- NUCLEAR EXPLOSIONS FRECTS
NUCLEAR WEAPONS EFFECTS
PLANE WAVES
PRESSURE WAVES
- SEISMIC SURVEYS
- SEISMIC WAVES
SHOCK IMPEDANCE
SHOCK MECHANICS
SHOCK TESTS
SHOCK TESTS
SHOCK TUBES
STRESS WAVES
STRESS WAVES
SUPERSONIC AIRCRAFT
SUPERSONIC FLOW
TRANSIENT LOADS
TRANSIENT STRESS TRANSIENT STRESS

SHOOTING FLOW 1
use SUBCRITICAL FLOW

SHOPPING CENTERS 3 BT PUBLIC BUILDINGS RT--COMMERCIAL BUILDINGS

SHORE BIRDS BT BIRDS RT-- AQUATIC ANIMALS WATERFOWL WILDLIFE

SHORE DEPOSITS 1 2
use LITTORAL DEPOSITS

SHORE DRIFT 1 2
use LITTORAL DRIFT

SHORE EROSION 2 3 7 use BEACH EROSION

SHORE PROCESSES 1 2
use COASTAL MORPHOLOGY

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SHORE PROTECTION 1 2
UF COAST PROTECTION
RT ANCHORED BULKHEADS
                                                                                                              SHORING
                                                                                                                                  (Con.
                                                                                                                          NEEDLE BEAMS
                                                                                                                         - PILES
                                                                                                                           SHAFTS
                                                                                                                                        (EXCAVATIONS)
            BANK PROTECTION
            BANKS
                                                                                                                           SHEETING
            BEACH EROSION
BEACH NOURISHMENT
                                                                                                                         SPLICING
- SUPPORTS
TIMBER CONSTRUCTION
TIMBERS
       -- BREAKWATERS
-- BULKHEADS
COASTAL ENGINEERING
-- COASTAL STRUCTURES
                                                                                                                           TRENCH BRACING
                                                                                                                           TRENCHING
                                                                                                                           TUNNEL CONSTRUCTION
            COASTS
                                                                                                                          UNDERPINNING
        -- EROSION CONTROL
GABIONS
                                                                                                              SHORT COLUMNS 3
BT COLUMNS (SUPPORTS)
            GROINS
            HARBORS
                                                                                                              SHORT PISTON SAMPLERS
BT DRIVE SAMPLERS
PISTON SAMPLERS
SAMPLERS
            ICE LOADS
JETTIES
            LEVEES
          LITTORAL CURRENTS
LITTORAL DRIFT
- MATTRESSES
                                                                                                                          SAMPLERS
SOIL SAMPLERS
FIXED PISTON SAMPLERS
FREE PISTON SAMPLERS
HYDRAULIC PISTON SAMPLERS
SURFACE AND CONTROL SAMPLING
SURFACE SAMPLERS (SOILS)
        -- OCEAN WAVES
-- RETAINING WALLS
-- REVETMENT
        -- RIPRAP
            RUBBLE
       RUBBLE
SEA WALLS
--SHORES
--SLOPE PROTECTION
--WATER WAVE ACTION
WATER WAVE ACTION ON BEACHES
WATER WAVE RUN- UP
                                                                                                              SHORT TAKEOFF AND LANDING
AIRCRAFT 2 4 5
UF STOL AIRCRAFT
BT AIRCRAFT
RT CONVERTIBLE AIRCRAFT
                                                                                                                          HELICOPTERS
JET AIRCRAFT
          - WATER WAVES
                                                                                                                      -- MILITARY AIRCRAFT
RESEARCH AIRCRAFT
VERTICAL TAKEOFF AND LANDING
AIRCRAFT
SHORE STRUCTURES 1 2 3 4 use COASTAL STRUCTURES
SHORE TERRACES 1 2 use MARINE TERRACES
                                                                                                              SHOT CORE BARRELS 2
BT CORE BORING SAMPLERS
FOCK SAMPLERS
    NORELINES 1 2
 SHORELINES
                                                                                                                          ROTARY CORE BARRELS
SAMPLERS
SHORES 1 2
UF SEASHORES
BT TOPOGRAPHIC FEATURES
NT LAKE SHORES
                                                                                                                          CALYX BORING
SINGLE TUBE CORE BARRELS
                                                                                                              SHOT CORE BORING
                                                                                                                                                   2 3
     RT-- AQUATIC ENVIRONMENT
-- BEACHES
                                                                                                                  use CALYX BOFING
                                                                                                             SHOTCRETE 2 3
NOTE: Mortar of cement and sand thrown onto concrete, rock or other surfaces by means of a compressed air ejector so as to form a very dense material UF GUNITE
            COASTAL ENGINEERING
COASTAL MORPHOLOGY
COASTAL PLAINS
COASTAL STRUCTURES
            COASTAL ZONE
COASTS
             CONTINENTAL SHELF
                                                                                                                          PNEUMATICALLY PLACED MORTARS
             DELTAS
             INTERTIDAL ZONE
LAGOONS (LANDFORMS)
                                                                                                                  BT CONCRETES
RT - COATINGS
            LAGUOUNS (LANDFORM)
- LAKES
LITTORAL DEPOSITS
LITTORAL DRIFT
LITTORAL ZONE
                                                                                                                          CONCRETE COATINGS
CONCRETE LINED TUNNELS
                                                                                                                     -- CONCRETE PLACING
                                                                                                                     -- MORTARS (MATERIAL)
NOZZLES
             MUD FLATS
MUD-WATER INTERFACES
            OCEANS
SHORE PROTECTION
                                                                                                                          PNEUMATIC CONVEYING
PUMPED CONCRETE
            SHORELINES
                                                                                                                          REBOUND
         -- TIDES
                                                                                                             SHOULDERS 3
RT--HIGHWAYS
--ROADS
SHORING
    RT-- BRACINGS
CRIB WALLS
                                                                                                             SHOVELS (CONSTRUCTION EQUIPMENT)
BT CONSTRUCTION EQUIPMENT
EARTH HANDLING EQUIPMENT
NT POMER SHOVELS
RT DHAGLINES
         -- EXCAVATION
            FALSEWORK
       -- FORMWORK (CONSTRUCTION)
-- FOUNDATION CONSTRUCTION
                                                                                                                 RT DRAGLINES
-- EXCAVATORS
       -- FOUNDATIONS
-- JACKING
       -- JACKS
LAGGING
                                                                                                              SHRAPNEL
                                                                                                                  UF AMMUNITION FRAGMENTS
RT--FRAGMENTATION AMMUNITION
        -- MINES (EXCAVATIONS)
-- MINING
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SHRINKAGE RATIO (Con.)
SHRINKAGE LIMIT TESTS
SOIL SHRINKAGE SHRIMPS HRIMPS 7
BT AQUATIC ANIMALS
CRUSTACEA WATER CONTENT (SOILS) INVERTEBRATES SHELLFISH SHRINKING AGGREGATES BT AGGREGATES KAGE 2 3 4 5
CONCRETE DRYING SHRINKAGE
CONCRETE SHRINKAGE
PLASTIC SHRINKAGE (CONCRETE)
SOIL SHRINKAGE SHRINKAGE IRUBS 7
NOTE: Woody perennial plants
smaller than a tree and without a main trunk or bole
BT PLANTS (BOTANY)
RT BROWSE UTILIZATION RT-- CONTRACTION CONTROL JOINTS DRYING SHRINKAGE CRACKING SHRINKAGE LIMIT -- STRAINS -- CONIFERS -- TREES VOLUME CHANGE SHUTTERING 3 4
use FORMWORK (CONSTRUCTION) SHRINKAGE COMPENSATING CEMENTS BT EXPANSIVE CEMENTS SIDE CHANNEL SPILLWAYS 1 BT SPILLWAYS RT ENERGY DISSIPATION SHRINKAGE COMPENSATING CONCRETES BT EXPANSIVE CEMENT CONCRETES FLASHBOARDS -- OUTLETS SPILLWAY CRESTS STILLING BASINS SHRINKAGE CRACKING 2 3
BT CRACKING (FRACTURING)
RT DESICCATED SOILS
DESICCATION SIDE WALL SAMPLERS 2
NOTE: Samplers for taking small
representative samples from
the side walls of a borehole
BT SAMPLERS DRYING EMBANKMENT CRACKING FISSUPED CLAYS
LINEAR SHRINKAGE
SHEAR CRACKS
- SHRINKAGE
SHRINKAGE LIMIT
SHRINKAGE LIMIT TESTS RT BOREHOLES SIDEHILL FILLS 2
BT FILLS
RT EARTH FILLS
EMBANKMENT CONSTRUCTION SOIL SHRINKAGE WETTING AND DRYING TESTS ROAD CONSTRUCTION SHRINKAGE INDEX DRYING
DRYING
INDEX TESTS
LINEAR SHRINKAGE
PLASTIC LIMIT
SHRINKAGE LIMIT
SHRINKAGE RATIO SIDEWALKS 3 -- PAVEMENTS SIEVE ANALYSIS 2 3 5
UF SCREEN ANALYSIS
BT GRAIN SIZE ANALYSIS
INDEX TESTS SOIL SHRINKAGE SHRINKAGE LIMIT 2 5
BT ATTERBERG LIMITS
MECHANICAL PROPERTIES
SOIL PROPERTIES
PT-ATTERBERG LIMITS TESTS
DESICCATED SOILS SOIL ANALYSIS SOIL TESTS (LABORATORY) FILTER TESTS -- GRANULAR MATERIALS
PARTICLE SIZE DISTRIBUTION DRYING LINEAR SHRINKAGE LIQUID LIMIT PLASTIC LIMIT SIEVES SIZE SCREENING -- WET ANALYSIS PLASTIC LIMIT
- SHRINKAGE
SHRINKAGE CRACKING
SHRINKAGE INDEX
SHRINKAGE LIMIT TESTS
SHRINKAGE RATIO
SOIL SHRINKAGE SIEVES RT SIEVE ANALYSIS
-- SIZING SCREENS SIGNATURE GNATURE 5 use VEHICLE SIGNATURE SHRINKAGE LIMIT TESTS 2 5
BT ATTERBERG LIMITS TESTS
INDEX TESTS
SOIL TESTS (LABORATORY)
BT DRYING
LINEAR SHRINKAGE
SHRINKAGE CHACKING
SHRINKAGE LIMIT
SHRINKAGE RATIO
SOIL SHRINKAGE SILICA UF SILICON DIOXIDE
SILICON OXIDES BT OXIDES
SILICON COMPOUNDS SILICA FLOUR SILICA GEL RT-- CHEMICAL SOIL STABILIZATION SOIL SHRINKAGE DIATOMACEOUS EARTH -- GELS GELS
GLASS FABRICS
LIME ROCK
OPAL
QUARTZ SHRINKAGE MIXED CONCRETE
use READY MIXED CONCRETE SHRINKAGE RATIO 2 RT LINEAR SHRINKAGE SHRINKAGE INDEX SHRINKAGE LIMIT -- SANDS -- SILICA MINERALS -- SILICATE MINERALS

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CA (Con.)
SILICA
                                                                                            SILICEOUS AGGREGATES
                                                                                                                                  (Con.)
                                                                                               RT ALKALI AGGREGATE REACTIONS
FIRE RESISTANCE
          SILICON
          SILICONE RESINS
                                                                                                  QUARTZ
-- SILICEOUS ROCKS
SILICA FLOUR 3
BT SILICA
                                                                                            SILICEOUS ROCKS 2 3
          SILICON COMPOUNDS
AUTOCLAVING
                                                                                                      ROCKS
SEDIMENTARY ROCKS
        MINERAL ADMIXTURES
-- POZZOLANS
                                                                                                      CHERT
CLAY SHALES
                                                                                                      CLAYSTONES
CONGLOMERATE
 SILICA GEL
    BT GELS
SILICA
                                                                                                      MUDSTONES
OIL SHALES
                                                                                                       SANDSTONES
SEDIMENTARY BRECCIA
           SILICON COMPOUNDS
SILICA MINERALS 2 3
NOTE: S102 minerals; excludes
silicate minerals
BT MINERALS
NT OPAL
QUARTZ
                                                                                                   -- SHALES
SILTSTONES
T QUARTZ
-- SILICA MINERALS
                                                                                                   -- SILICATE MINERALS
-- SILICATES
    RT DIATOMACEOUS EARTH
-- SANDS
                                                                                                      SILICEOUS AGGREGATES
SILICON
       -- SILICA
-- SILICATE MINERALS
                                                                                                ILICON 2 3
RT ALLOYS
--COATINGS
DIATOMACEOUS EARTH
                                                                                             SILICON
       -- SILICATES
-- SILICEOUS ROCKS
       SILICON
-- SILICON COMPOUNDS
                                                                                                   -- SANDS
                                                                                                   -- SILICA
                                                                                                   -- SILICA MINERALS
-- SILICATE MINERALS
-- SILICATES
-- SILICEOUS ROCKS
 SILICATE CEMENTS
                                3
    BT CEMENTS
RT-- POZZOLANS
 SILICATE MINERALS
                                                                                                      SILICONE RESINS
    NOTE: Excludes silica minerals
BT MINERALS
NT ALLOPHANES
AMPHIBOLES
                                                                                                ILICON COMPOUNDS 2 3
NT--CALCIUM SILICATES
--SILICA
SILICA FLOUR
SILICA GEL
--SILICATES
SODIUM SILICATES
RT--SILICA MINERALS
--SILICATE MINERALS
SILICONE RESINS
ZEOLITES
                                                                                             STLICON COMPOUNDS
           ATTAPULGITE
CHLORITES
       -- CLAY MINERALS
FELDSPARS
           FIRECLAYS
HALLOYSITE
           KAOLINITE
                                                                                                       ZEOLITES
       -- MICAS
MONTMORILLONITE
                                                                                            SILICON DIOXIDE 2 3
           OLIVINE
           PYROXENES
           SERPENTINE
                                                                                            SILICON OXIDES 3
                                                                                                use SILICA
           TALC
          VERMICULITE
ASBESTOS
                                                                                            SILICONE RESINS
                                                                                               BT RESINS (SYNTHETIC)
RT-- ELASTOMERS
HEAT RESISTANT MATERIALS
LUBRICANTS
       BENTONITE
-- CALCIUM SILICATES
          KAOLIN
QUARTZ
       -- SILICA MINERALS
                                                                                                      LUBRICATION
                                                                                                  -- SILICA
SILICON
-- SILICON COMPOUNDS
SYNTHETIC RUBBER
       -- SILICATES
       -- SILICEOUS ROCKS
       SILICON COMPOUNDS
                                                                                            SILLS (GEOLOGY) 2
NOTE: Nearly horizontal igneous
intrusion between two layers
   ILICATES 2 3
NOTE: Salts derived from silica
or the silicic acids
BT SALTS
SILICON COMPOUNDS
SILICATES
                                                                                               of rock
BT INTRUSIONS (GEOLOGY)
RT BASALT
                                                                                                      BATHOLITH
DIKES (GEOLOGY)
DOLERITE
   NT-- CALCIUM SILICATES
SODIUM SILICATES
   RT ASBESTOS
      -- CHEMICAL GROUTS
                                                                                                      LACCOLITH
      -- SILICA MINERALS
                                                                                            SILLS (SUBMERGED)
      -- SILICATE MINERALS
-- SILICEOUS ROCKS
                                                                                               use SUBMERGED SILLS
                                                                                              ILOS 3
NOTE: Storage bins for grain or
          SILICON
SILICEOUS AGGREGATES
BT AGGREGATES
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SILOS (Con.)
-- FARM BUILDINGS GRAIN ELEVATORS SLIP FORM CONSTRUCTION SILOS (MISSILE) 2 use MISSILE SILOS SILT CONTROL 1
use SEDIMENT CONTROL SILTING use SEDIMENTATION SILTING OF HARBORS use HARBOR SILTING SILTING OF LOCKS 1 use LOCK SILTING SILTING OF RESERVOIRS 1 2
use RESERVOIR SEDIMENTATION ILTS 1 2 3 5 7
NOTE: Finely divided particles
of soil or rock
BT FINE GRAINED SOILS
NT INORGANIC SILTS
ORGANIC SILTS
RT-AECLIAN DEPOSITS -- ALLUVIUM BOTTOM SEDIMENT COHESIVE SOILS DELTAIC DEPOSITS DELETERIOUS SUBSTANCES FINES IMPERVIOUS SOILS LACUSTRINE DEPOSITS LOAMS MUD LUMPS RESERVOIR SEDIMENTATION ROCK FLOUR -- SEDIMENT -- SHALES SILTSTONES -- SILTY SOILS
SOIL (CONSTRUCTION MATERIAL)
SOIL TEXTURE
WATER POLLUTION SOURCES SILTSTONES 2 3 BT ROCKS SEDIMENTARY ROCKS SILICEOUS ROCKS CLAYSTONES MUDSTONES SANDSTONES -- SHALES -- SILTS -- SILTY SOILS SILTY SOILS 2 LOAMS LOESS RT-- AEOLIAN DEPOSITS
-- ALLUVIUM
DELTAIC DEPOSITS
-- FINE GRAINED SOILS FINES MUDSTONES PERVIOUS SOILS ROCK FLOUR -- SILTS SILTSTONES SILURIAN PERIOD BT PALEOZOIC ERA SILVER 2 BT METALS RT ALLOYS

SILVICULTURE 7
use FOREST MANAGEMENT

MILITUDE 1 2 3 5 6 UF ANALOGIES NT HYDRAULIC SIMILITUDE SIMILITUDE CAVITATION INDEX COMPARISON DIMENSIONAL ANALYSIS FROUDE NUMBER MATHEMATICAL MODELS MOBILITY MODELS MODEL TESTS -- OPERATIONS RESEARCH PROTOTYPE TESTS SCALE RATIO STRUCTURAL MODELS SYSTEMS ANALYSIS TERRAIN ANALOGS -- TESTS THEORETICAL ANALYSIS
-- WIND TUNNELS SIMPLE SHEAR EQUIPMENT BT SHEAR EQUIPMENT RT SIMPLE SHEAR TESTS SIMPLE SHEAR TESTS BT SHEAR TESTS

SOIL TESTS (LABORATORY)

RT SIMPLE SHEAR EQUIPMENT SIMPLIFIED METHOD OF SLICES 2
UF MODIFIED SWEDISH METHOD
BT GRAPHICAL METHODS
SLOPE STABILITY ANALYSIS
RT CRITICAL CIRCLE
ROTATIONAL SLIDES SLICES METHOD SIMULATED RAINFALL 1 RT HYDROGRAPH ANALYSIS INFILTRATION (WATER) -- METEOROLOGY -- PRECIPITATION (METEOROLOGY)
RAIN AND RAINFALL SIMULATION IMULATION 1 2 3 4 5 6 7
NOTE: Study of the characteristics
or behavior of a complex system
(physical or nonphysical) by
constructing and operating a
physical or mathematical model
of the system
NT ANALOG SIMULATION
DIGITAL SIMULATION
HYBRID SIMULATION
HYBRID SIMULATION
NUCLEAR EXPLOSION SIMULATION
NUMERICAL SIMULATION
RT ANALOG COMPUTERS
DIMENSIONAL ANALYSIS DIMENSIONAL ANALYSIS DYNAMIC PROGRAMMING EARTHQUAKE SIMULATION MODELS ELECTRIC ANALOGS GAME THEORY
HYBRID COMPUTERS
-- HYDRAULIC MODELS
-- MANAGEMENT METHODS MOBILITY MODELS
MOBILITY NUMBERS
MODEL TESTS
MODELS MONTE CARLO METHOD
-- OPERATIONS RESEARCH
-- RHEOLOGICAL MODELS
SIMILITUDE -- SIMULATORS
SYSTEMS ANALYSIS
SYSTEMS ENGINEERING SIMULATORS 4 7
NT--AIR BLAST SIMULATORS
--BLAST SIMULATORS
--DYNAMIC LOAD SIMULATORS

RT-MODELS SIMULATORS SINGLE ACTING PILE HAMMERS
BT CONSTRUCTION EQUIPMENT
PILE DRIVING EQUIPMENT PILE HAMMERS SINGLE FOOTINGS 2
use COLUMN FOOTINGS SINGLE GRAINED STRUCTURE (SOILS) BT SOIL STRUCTURE
RT COARSE AGGREGATES
--COARSE GRAINED SOILS
COHESIONLESS SOILS DISPERSION (SOILS) -- GRANULAR MATERIALS
PERVIOUS SOILS SINGLE PHASE FLOW BT FLOW FLUID FLOW RT-- CRITICAL FLOW -- GAS FLOW LAMINAR FLOW
--LIQUID FLOW
MASS FLOW -- MULTIPHASE FLOW MULTIPHASE FLOW
ORIFICE FLOW
PIPE FLOW
STEADY FLOW
SUBCRIFICAL FLOW
SUPERCRITICAL FLOW
TURBULENT FLOW
TWO PHASE FLOW
UNIFORM FLOW - UNSTEADY FLOW SINGLE PULSE WAVES 1 2 4
use IMPULSIVELY GENERATED WAVES SINGLE TUBE CORE BARRELS BT CORE BORING SAMPLERS ROCK SAMPLERS ROTARY CORE BARRELS SAMPLERS RT-- DOUBLE TUBE CORE BARRELS SHOT CORE BARRELS SWEDISH FOIL SAMPLERS SINGLE WALL COFFERDAMS 1 2 BT COFFERDAMS DAMS CELLULAR COFFERDAMS DOUBLE WALL COFFERDAMS -- SHEET PILES SINKAGE VEHICLE SINKAGE
GROUND FLOTATION
PLATE SINKAGE TESTS
PRESSURE SINKAGE RELATIONS RUT DEPTH SLIP SINKAGE RELATIONS SINKAGE OF VEHICLES 5
use VEHICLE SINKAGE SINKHOLES 1 2
NOTE: Holes formed in soluble rock by the action of water, serving to conduct surface water to an underground passage UF SINKS
RT CAVES
CAVITIES (UNDERGROUND) KARST -- LIMESTONES POTHOLES SOLUTION PHENOMENA (GEOLOGY)

SPELEOLOGY SUBSIDENCE --SUBSURFACE DRAINAGE SINKS use SINKHOLES SINTER (MATERIAL) 3 RT--CLINKER --LIGHTWEIGHT AGGREGATES SINTERING SINTERING RT POROSITY
SINTER (MATERIAL)
TRAVELING GRATES SIPHON SPILLWAYS BT SPILLWAYS SIPHONS PHONS 1 2 3 BT CLOSED CONDUITS CONDUITS RT AQUEDUCTS BURIED PIPES -- CONCRETE PIPES HOSES IRRIGATION CANALS IRRIGATION ENGINEERING MANHOLES - PIPELINES -- PIPES -- PUMPS -- SEWERS STORM SEWERS -- TUBES WATER DISTRIBUTION -- WATER SUPPLY NOTE: Deals mainly with the investigation of the suitability and characteristics of sites as they affect the design and construction of civil engineering works and the security of neighboring structures. Use of a more specific term is recommended; consult the terms listed below SITE INVESTIGATION below AERIAL SURVEYS FIELD TESTS POUNDATION INVESTIGATIONS
GEODETIC SURVEYS
GEOLOGICAL INVESTIGATIONS
HYDROGRAPHIC SURVEYS HYDROGRAPHIC SURVEYS
RECONNAISSANCE SURVEYS
REFERENCE TEST AREAS
SITE SELECTION
SITE SELECTION STUDIES
SUBSURFACE EXPLORATION TOPOGRAPHIC SURVEYS VEGETATION SURVEYS SITE PREPARATION (CONSTRUCTION) 2 3 NT CLEARING STRIPPING RT-- BUILDING SITES -- CONSTRUCTION -- DAM CONSTRUCTION DAM SITES LAUNCHING SITES RESERVOIR SITES SITE SELECTION 1 2 4 5 6

NT AIRPIELD SITE SELECTION
AIRPORT SITE SELECTION
DAM SITE SELECTION
HELIPORT SITE SELECTION
LANDING PIELD SITE SELECTION
LANDING MAT SITE SELECTION
MEMBRANE SITE SELECTION
MISSILE FACILITY SITE SELECTION
RT AERIAL SURVEYS
--ENVIRONMENTAL ENGINEERING -- ENVIRONMENTAL ENGINEERING PEASIBILITY STUDIES -- FIELD SOIL PENETRATION TESTS

(ID STEERING 5 NOTE: System whereby tracked and wheeled vehicles are steered when the tracks or wheels have no angular freedom in relation to SITE SELECTION (Con.)
-- FIELD TESTS
GEODETIC SURVEYS
-- GEOPHYSICAL EXPLORATION SKID STEERING no angular freedom in relation to
the vehicle hull, steering being
effected by changing the relative
speeds of the running gear on each
side of the vehicle
UF FREE TURN STEERING
NEUTRAL TURN STEERING
PIVOT TURN STEERING
POWER TURN STEERING
SLIDE TURN STEERING
BT STEERING
RT ARTICULATED STEERING -- MAPS -- RECONNAISSANCE - RECONNAISSANCE SURVEYS RESERVOIR SITES RESERVOIR SURVEYS RESERVOIR SURVEYS RIGHT OF WAY SOIL SURVEYS SOUNDING METHODS (SOILS) - SUBSURFACE EXPLORATION TOPOGRAPHIC SURVEYS SITE SELECTION STUDIES RT AERIAL SURVEYS
GEODETIC SURVEYS
-- GEOLOGICAL INVESTIGATIONS
HYDROGRAPHIC SURVEYS SKIDDERS (VEHICLES) 5
BT FORESTRY VEHICLES
LOGGING VEHICLES
OFF ROAD VEHICLES
ATT-ARTICULATED VEHICLES
-- TRACKED VEHICLES
-- WHEELED VEHICLES MAPS
RECONNAISSANCE SURVEYS
SUBSURFACE EXPLORATION
TOPOGRAPHIC SURVEYS SKIMMING 7
NOTE: Mechanical removal of oil NOTE: Use of a more specific term is recommended; consult the terms listed below BUILDING SITES or scum from the surface of water
BT SEPARATION
RT CLARIFICATION
OIL SPILL CONTROL
-- SEDIMENTATION DAM SITES LAUNCHING SITES RESERVOIR SITES SEDIMENTATION TANKS
-- SEWAGE TREATMENT SCREENING 3 SIZE SCREENING SKIN FRICTION 1 RT-- BOUNDARY LAYER PARTICLE SIZE DISTRIBUTION SIEVE ANALYSIS BOUNDARY SHEAR -- SIZING SCREENS -- DRAG -- FLUID FLOW SIZING SCREENS 3 UF SCREENS (SIZING) NT VIBRATING SCREENS PLUID RESISTANCE
PILE FRICTION
RESISTANCE COEFFICIENT SIEVES SIZE SCREENING SKIN FRICTION (PILES) 2
UF FRICTION RESISTANCE (PILES)
PILE FRICTION SKELETON STRUCTURE (SOILS)
use CLAY STRUCTURE FRICTION FRICTION
SHAFT RESISTANCE (PILES)
NEGATIVE SKIN FRICTION
POSITIVE SKIN FRICTION
FRICTION PILE FOUNDATIONS
FRICTION PILES SKELETON WAVES 2 4
USE WAVES IN POROUS MEDIA SKEW BRIDGES BT BRIDGES SKYSCRAPERS SKI- JUMP SPILLWAYS HIGH RISE BUILDINGS MULTISTORY BUILDINGS UF BT SPILLWAYS RT ENERGY DISSIPATION FLIP BUCKETS OGEE CRESTS COMMERCIAL BUILDINGS -- OUTLETS SLAB ON GROUND CONSTRUCTION BT CONCRETE CONSTRUCTION CONSTRUCTION OVERFLOW PLUNGE BASINS STILLING BASINS RT-- CONCRETE SLABS -- SLABS SKID RESISTANCE 2 3 5 RT-- ANTISKID DEVICES LABJACKING 2 3 5
NOTE: Process in which a hole is bored through a concrete slab which has subsided, and a watersoil-cement slurry or hot asphalt cement is pumped under the slab to support it UF MUDJACKING RT--CONCRETE SLABS --GROUTING BIGID PAVEMENT MAINTENANCE SLABJACKING -- FLOORS -- FRICTION
GROOVING (PAVEMENTS) HYDROPLANING ICE PREVENTION -- LANDING MATS
MEMBRANES (AIRFIELDS)
NONSKID COMPOUNDS
NONSKID SURFACES PAVEMENTS RIGID PAVEMENT MAINTENANCE FAVEMENTS
SURFACE FRICTION
SURFACE ROUGHNESS (PAVEMENTS)
TIRE-PAVEMENT INTERACTION -- SLABS SOIL GROUTING SLABS 2 3 4 5 BT STRUCTURAL MEMBERS NT--CONCRETE SLABS

SLABS (Con.)
FLAT CONCRETE SLABS
PAN JOIST SLABS
PRECAST CONCRETE SLABS
PRESTRESSED CONCRETE SLABS
WAFFLE SLABS
RT BENDING MOMENTS
CONSTRUCTION JOINTS CONTROL JOINTS DOWELS ELASTIC FOUNDATIONS FLEXIBLE FOUNDATIONS FLOATING FOUNDATIONS -- FOOTINGS LONGITUDINAL JOINTS MAT FOUNDATIONS - PAVEMENTS
- PLATES (STRUCTURAL MEMBERS)
PRESTRESSED CONCRETE
- REINFORCED CONCRETE SLAB ON GROUND CONSTRUCTION SLABJACKING TRANSVERSE JOINTS SLAG AGGREGATES 3 BT AGGREGATES NT EXPANDED SLAG AGGREGATES LAG CEMENTS 2 3 5
NOTE: Excludes portland cement
BT CEMENTS
HYPRAULIC CEMENTS
RT BLENDED CEMENTS SLAG CEMENTS PORTLAND SLAG CEMENTS -- SLAGS SLAGS AGS 2 3 5 NT BLAST FURNACE SLAG RT-- AGGREGATES -- CINDERS CLINKER -- COARSE GRAINED SOILS CONCRETE AGGREGATES EXPANDED SLAG AGGREGATES -- LIGHTWEIGHT AGGREGATES -- SLAG AGGREGATES SLAG CEMENTS -- VOLCANIC SOILS SLAKED LIME 2
use CALCIUM HYDROXIDES SLAKING 2 3
RT--CHEMICAL PEACTIONS
CLAY SHALES
DECOMPOSITION
--HYDRATION LIME WATER OF HYDRATION WETTING AND DRYING TESTS SLAKING TESTS 2 3
use WETTING AND DRYING TESTS SLATES 2 3 BT METAMORPHIC ROCKS ROCKS EXPANDED SLATE AGGREGATES
-- LIGHTWEIGHT AGGREGATES -- SHALES SLEDS EDS 5
BT SNOW VEHICLES
TOWED VEHICLES
RT--CARGO VEHICLES
--OFF ROAD VEHICLES TRAILERS

SLEEVE VALVES 1
BT HYDRAULIC VALVES
VALVES
RT GATE VALVES

GLOBE VALVES

SLEEVE VALVES (Con.)
HOLLOW JET VALVES
PLUG VALVES -- PNEUMATIC VALVES SLICES METHOD 2

UF METHOD OF SLICES
SWEDISH CIRCLE METHOD
SWEDISH SLICE METHOD
BT GRAPHICAL METHODS
SLOPE STABILITY ANALYSIS
RT CRITICAL CIRCLE
ROTATIONAL SLIDES
SIMPLIFIED METHOD OF SLICES SLICKENSIDES NOTE: Polished and grooved sur-faces produced by one mass sliding past another RT FAULTS AND FAULTING (GEOLOGY) SLIDING BT HYDRAULIC GATES
RT EMERGENCY GATES
FLOODGATES SLIDE GATES GATE HOISTS OUTLET WORKS SLUICE GATES SLIDE RULES 6 RT ANALOG COMPUTERS CALCULATORS SLIDE TURN STEERING use SKID STEERING SLIDES 1 2
BT EARTH MOVEMENTS
MASS WASTING
NT-- FLOW SLIDES -- LANDSLIDES MUD FLOWS ROCKSLIDES ROTATIONAL SLIDES
TRANSLATORY SLIDES
BASE FAILURES
CHANGES OF LEVEL (GEOLOGY) -- CREEP -- DAM FAILURES -- DAM PERFORMANCE -- DAMAGE -- DEFORMATION -- DEFORMATION
-- EROSION
RAIN AND RAINFALL
-- RETAINING WALLS
SLIDING
SLOPE FAILURES
SLOPE STABILITY
CURRENTERING SUBSIDENCE TOE FAILURES SLIDES (PROJECTION) 6
UF LANTERN SLIDES
PROJECTION SLIDES
RT DATA STORAGE
-- MICROFORMS SLIDING 1 2
RT BASE FAILURES
CRITICAL CIRCLE
-- CRITICAL SURFACE
-- DAM FAILURES
-- FRICTION
LUBRICATION
MASS FLOW
-- MASS WASTING
-- SLIDES -- SLIDES SLIDES SLICKENSIDES SLOPE FAILURES SOLIFLUCTION

SUBSIDENCE

SLIDING WEDGE ANALYSIS use WEDGE ANALYSIS SLIME 7 RT-- ALGAE -- FUNGI SLUDGE SLIME BACTERIA USE MYXOBACTERATES SLIME MOLDS 7 use MYXOMYCETES SLIP CIRCLE 2 use CRITICAL CIRCLE SLIP FLOW 1
NOTE: Rarified gas flow in the region between Knudsen numbers 0.01 and 0.1 only; excludes transition flow, free molecule flow, creep, shear flow and plastic flow
BT FLOW TRUE FLUID FLOW GAS FLOW MOLECULAR FLOW FREE MOLECULE FLOW TRANSITION FLOW SLIP FORM CONSTRUCTION 3 BT CONCRETE CONSTRUCTION CONSTRUCTION FORMWORK (CONSTRUCTION) JACKING SILOS SLIP FORM PAVING MACHINES SLIP FORMS SLIP FORM PAVING MACHINES 2 3 BT CONSTRUCTION EQUIPMENT PAVING EQUIPMENT PAVING EQUIPMENT (CONCRETE) ROAD MACHINERY SLIP FORM CONSTRUCTION SLIP FORMS SLIP FORMS 2 3 5
NOTE: Forms which are pulled or raised as concrete or bitumen is placed
BT CONSTRUCTION EQUIPMENT
RT AIRFIELD CONSTRUCTION
AIRPORT CONSTRUCTION
ARCH DAM CONSTRUCTION
CANAL CONSTRUCTION ARCH DAM CONSTRUCTION
CANAL CONSTRUCTION
CONCRETE LINED CHANNELS
CONCRETE LINED TUNNELS
GRAVITY DAM CONSTRUCTION
HELIPORT CONSTRUCTION
LIFTS (CONSTRUCTION) - PAVING EQUIPMENT
- ROAD CONSTRUCTION
SLIP FORM CONSTRUCTION
SLIP FORM PAVING MACHINES TUNNEL CONSTRUCTION -- WALLS SLIP-SINKAGE RELATIONS 5
BT SOIL-VEHICLE INTERACTION
RT--SINKAGE
SLIP TESTS (VEHICLES)
--SOIL PROPERTY FELATIONS
SOIL-WHEEL INTERACTION
TIRE SIDE SLIP
VEHICLE SINKAGE

VEHICLE SINKAGE

IP SURFACE 2
use CRITICAL SURFACE

SLIP SUPFACE

SLIP TESTS (VEHICLES) 5
BT FIELD TESTS
VEHICLE TESTS RT DRAG SLIP-SINKAGE RELATIONS
--SOIL-VEHICLE INTERACTION
SOIL-WHEEL INTERACTION
TIRE SIDE SLIP SLIPPAGE (CONCRETE) 3 RT PRESTRESS LOSS (CONCRETE) -- PRESTRESSING SLIPPERINESS 3 SLIT TUBE SAMPLERS 2
UF SLOT SAMPLERS
BT EXPLORATION SAMPLERS
SAMPLERS SOIL SAMPLERS CUP SAMPLERS SLOPE FAILURES 2 4 UF FACE FAILURES BT FAILURES BASE FAILURES
-- CREEP -- CREEP
CREEP RATE
CRITICAL HEIGHT
CRITICAL SLOPE
CRITICAL SURFACE
-- DAM FAILURES
DAM STABILITY
EARTH DAM PERFORMANCE
EMBANKMENT STABILITY
-- MASS WASTING
ROCKFILL DAM PERFORMANCE
-- SLIDES -- SLIDES SLIDING -- SLOPE PROTECTION SLOPE STABILITY -- SLOPES SOIL CREEP SOLIFLUCTION TENSION CRACKS TOE FAILURES SLOPE INDICATORS 2 SLOPE PERFORMANCE 5
NOTE: Relates to ability of
vehicle to negotiate slopes
BT VEHICLE PERFORMANCE
RT DRAWBAR PULL -- FIELD TESTS OFF- ROAD MOBILITY PERFORMANCE PREDICTIONS
PERFORMANCE TESTS (VEHICLES)
-- VEHICLE TESTS SLOPE PROTECTION 1 2 3

NT SOIL CEMENT SLOPE PROTECTION

RT BANK EROSION

BANK PROTECTION

CHANNEL IMPROVEMENT

CHANNEL STABILIZATION

DAM FACINGS

DAM STABILITY

EARTH DAM PERFORMANCE

-- EARTH DAMS

EMBANKMENT STABILITY EMBANKMENT STABILITY EMBANKMENTS -- EFOSION CONTROL EROSION CONTROL BY VEGETATION EXCAVATED SLOPES -- GRASSES HIGHWAY EMBANKMENTS ICE LOADS -- MULCHES PAILPOAD ENGINEERING BAIN AND RAINFALL

SLOPE STABILIZATION
-- DRAINAGE SLOPE PROTECTION (Con.) (Con.) - REVETMENT EMBANKMENT STABILITY
-- EROSION CONTROL
RAPID EARTH CONSTRUCTION
-- REVETMENT -- RIPRAP ROAD ENGINEERING ROCK BLANKETS ROCKFILL DAM PERFORMANCE - SLOPE PROTECTION
SLOPE STABILITY
SOIL STABILITY
-- SOIL STABILIZATION SEEDING SHORE PROTECTION
SLOPE FAILURES
SLOPE STABILITY
SLOPE STABILIZATION STABILITY BERMS SLOPE STABLLIZATION
- SLOPES
SOIL EROSION
- SOIL STABILIZATION
STABILITY BERMS
STREAM EROSION LOPES 1 2 4 5
UP NATURAL SLOPES
BT SURFACE GEOMETRY FACTORS
TOPOGRAPHIC FEATURES
NT CONTINENTAL SLOPE
CRATER SLOPES
CRITICAL SLOPE
EXCAVATED SLOPES SLOPES SLOPE STABILITY STABILITY STABILITY
AVALANCHES
BANK STABILITY
BASE FAILRES
CHANNEL STABILIZATION
DAM FAILURES
DAM STABILITY
DAM STABILITY ROCK SLOPES ANGLE OF REPOSE CANYONS
CHANNEL MORPHOLOGY
EARTHWORK
EMBANKMENTS DEPTH FACTOR (SOILS)
EARTH DAM PERFORMANCE
EMBANKMENT STABILITY
- EROSION CONTROL ENERGY GRADIENTS
-- FLOW CONTROL
-- GEOMETRY
-- GEOMORPHOLOGY EXCAVATED SLOPES
RAPID DRAWDOWN GRADIENTS HYDRAULIC GRADIENTS ROCKFILL DAM PERFORMANCE MASS WASTING MOUNTAINS SAFETY SAFETY FACTOR OVERLAND FLOW PEDIMENTS SLOPE FAILURES
--SLOPE PROTECTION
--SLOPE STABILITY ANALYSIS
SLOPE STABILIZATION RAINFALL RUNOFF RELATIONSHIPS REGIME RUNOFF FORECASTING -- SLOPES SOIL STABILITY -- STRUCTURAL STABILITY TENSION CRACKS SLOPE FAILURES SLOPE PROTECTION SLOPE STABILITY -- SLOPE STABILITY ANALYSIS TOE FAILRES SOIL EROSION TALUS SLOPE STABILITY ANALYSIS 2

UF STABILITY ANALYSIS (SLOPES)

NT CULMANNS METHOD
FRICTION CIRCLE METHOD
SIMPLIFIED METHOD OF SLICES
SLICES METHOD
WEDGE METHOD

RT ANGLE OF REPOSE
COULOMB EQATION
CRITICAL CIRCLE
CRITICAL HEIGHT
CRITICAL SLOPE
-- CRITICAL SURFACE
DAM STABILITY
DRAWDOWN THALWEG
TOPOGRAPHIC MAPS
-- TOPOGRAPHY
TUPBIDITY CURRENTS -- VALLEYS SLOPING BLANKETS 1 use SLOPING DRAINS SLOPING DRAINS UF SLOPING BLANKETS BT DRAINAGE STRUCTURES DRAINS RT CHIMNEY DRAINS DRAWDOWN
EARTH DAM DESIGN
-EARTH PRESSURE
-EARTH PRESSRE THEORIES
-EMBANKMENT DESIGN
EMBANKMENT STABILITY SLOT SAMPLERS use SLIT TUBE SAMPLERS NOTE: Devices in a conduit in which a gate slides
ET FLOW CHARACTERISTICS
-- FLUID FLOW
GATE SEALS EMBANKMENT STABILITY
FLOW NETS
-- MOMENTS
-- PORE PRESSURE
ROCKFILL DAM DESIGN
SAFETY FACTOR
SEEPAGE PRESSURE
-- SHEAR STRENGTH (SOILS)
SLOPE STABILITY -- HYDRAULIC GATES STOP LOGS SLOTTED FLOORS -- SLOPES SOIL STABILITY BT FLOORS RT-FARM BUILDINGS STABILITY NUMBERS TENSION CRACKS SLOW CURING ASPHALT use LIQUID ASPHALT SLOPE STABILIZATION 1 2 STABILIZATION
BANK PROTECTION
CHANNEL IMPROVEMENT
CHANNEL STABILIZATION SLOW SAND FILTERS 1 BT FILTERS (WATER TREATMENT) SLOW TESTS 2 use S TESTS (SOILS) COMPACTION (SOILS)
COUNTERFORT DRAINS

LUDGE 1 7
UF ACTIVATED SLUDGE
RT ACTIVATED SLUDGE PROCESS SLUDGE SLUMP TESTS UMP TESTS 3
BT CONCRETE TESTS
CONSISTENCY TESTS MUD RT NO SLUMP CONCRETE ORGANIC LOADING ORGANIC WASTES SEWAGE SLURRIES 1 2 3 5 RT BENTONITE SLURRY METHOD SETTLING BASINS (WASTES) SLIME CLAY SUSPENSIONS DRILLING FLUIDS SLUDGE DIGESTION SLUDGE DISPOSAL EMULSIONS -- GELS SOLID WASTES GROUT CURTAINS -- WASTES -- GROUTING -- GROUTS HYDRAULIC CONVEYORS SLUDGE DIGESTION 7 BT DIGESTION (DECOMPOSITION) WASTE TREATMENT LIQUIDS MATERIALS HANDLING T ACTIVATED SLUDGE PROCESS
AEROBIC PROCESSES
INDUSTRIAL WASTE TREATMENT
-- SEWAGE TREATMENT -- MIXING MORTARS (MATERIAL) MUD MUD
SEALING COMPOUNDS
SEEPAGE CONTROL
SLURRY CONSOLIDOMETERS
SLURRY EXCAVATION
SLURRY TRENCHES SLUDGE SLUDGE DISPOSAL SLUDGE DISPOSAL BT DISPOSAL WASTE DISPOSAL SOIL STABILIZATION SURFACE TREATMENT (ROADS) CHLORINATION INCINERATION SLURRY COATINGS LAGOONS (PONDS) SANITARY ENGINEERING UF SLURRY SEALS BT COATINGS RT-- PAVEMENTS SURFACE TREATMENT (ROADS) -- SEWAGE TREATMENT SLUDGE SLUDGE DIGESTION SLURRY CONSOLIDOMETERS SLUG FLOW 1 NOTE: Fluctuating transition be-tween open channel and pressure flow which entraps slugs of air BT CONSOLIDOMETERS RT SLURRIES -- SOIL SAMPLES -- SOIL TESTS (LABORATORY) in the top of a conduit BT FLOW RT CHUTE SPILLWAYS SLURRY EXCAVATION 2 BT EXCAVATION
PT BENTONITE SLUFRY METHOD
HYDRAULIC EXCAVATION CHUTES ROLL WAVES STILLING BASINS SLURRIES SLURFY TRENCHES
UNDERWATER CONSTRUCTION
-- UNDERWATER EXCAVATION -- SURGES -- UNSTEADY FLOW BT HYDRAULIC GATES
BT DIVERSION STRUCTURES
FLOODOATES
GATE HOISTS
SLIDE GATES
SLUICES
TRAINING SLUICE GATES SLURRY EXPLOSIVES 2 4 NOTE: Explosive material that
can be transported as liquid
BT EXPLOSIVES
TP PLASTIC EXPLOSIVES
-- SOLID EXPLOSIVES TFAINING WALLS SLURRY SEALS 2 use SLURRY COATINGS SLUICES RT-- CHANNELS CHUTE SPILLWAYS CHUTES SLURRY TRENCH METHOD 2
use BENTONITE SLURRY METHOD -- CONDUITS SLURRY TRENCHES DIVERSION DAMS
DIVERSION STRUCTURES BT TRENCHES
RT BENTONITE SLURRY METHOD
SLURRIES FLOODGATES SLURRY EXCAVATION -- FLUMES (WATER CONVEYANCE SLUSH 1 RT FRAZIL ICE -- FREEZING STRUCTURES)
-- INTAKE STRUCTURES -- INTAKES -- OUTLET WORKS -- OUTLETS -- ICF MELTING SLUICE GATES SNOW SMALL ANGLE SCATTERING use X RAY DIFFRACTION SLUMP CONCRETE SLUMP
CONCRETE WORKABILITY
CONSISTENCY (CONCRETE)
NO SLUMP CONCRETE SMALL ARMS UF FIREARMS
BT GUNS (ORDNANCE)
RT CARTRIDGES (EXPLOSIVES)
GRENADES -- PROJECTILES

SMOG 7	SNOW (Con.)
RT AEROSOLS	SNOW DRIFTING
AIR POLLUTION	SNOW FENCES
AIRBORNE WASTES COMBUSTION PRODUCTS	SNOW GAGES SNOW SAMPLES
CONTAMINANTS	SNOW SURVEYS
EMISSIONS	SNOWFALL
EXHAUST GASES	SNOWMELT
FOG	STORMS
FUMES	SUBARCTIC REGIONS WEATHER
NITROGEN DIOXIDE OZONE	REMINEN
SMOKE	SNOW CLASSIFICATION 5
TEMPERATURE INVERSIONS	BT CLASSIFICATIONS
VAPORS	SURFACE COMPOSITION CLASSIFI-
VISIBILITY	CATION TERRAIN CLASSIFICATION
SMOKE 6 7	RT SNOW DENSITY
RT AEROSOLS	SNOW MECHANICS
AIR POLLUTION	SNOW PROPERTIES
AIRBORNE WASTES	SNOW STRENGTH
CHIMNEYS	TRAFFICABILITY CLASSIFICATION
COMBUSTION PRODUCTS CONTAMINANTS	SNOW CRYSTALS 5 6
DUST	RT SNOW
EFFLUENTS	SNOW DRIFTING
EMISSIONS	
EXHAUST GASES	SNOW COMPACTION 2 5
FLUE GASES	UF COMPACTION (SNOW) RT BEARING CAPACITY (ICE AND
FLY ASH FUMES	SNOW)
INCINERATION	COMPACTION EQUIPMENT
SMOG	SNOW DENSITY
SMOKE ABATEMENT	SNOW MECHANICS
SOOT	SNOW PROPERTIES SNOW ROADS
VAPORS VISIBILITY	SNOW RUNWAYS
VISIBILITI	SNOW SAMPLERS
SMOKE ABATEMENT 7	SNOW STABILIZATION
BT ABATEMENT	SNOW STRENGTH
RT AIR POLLUTION	SNOW COVER 5
SMOKE	SNOW COVER 5 RT METEOROLOGICAL DATA
SMOOTH WHEEL ROLLERS 2 5	SNOW REMOVAL
use STEEL WHEEL ROLLERS	SNOW TRAFFICABILITY
	TRAFFICABILITY DATA
SMOOTH WHEEL VIBRATORY ROLLERS 2 5	SNOW DENSITY 5
BT COMPACTION EQUIPMENT CONSTRUCTION EQUIPMENT	BT DENSITY (MASS/VOLUME)
VIBRATORY COMPACTORS	SNOW PROPERTIES
RT STEEL WHEEL ROLLERS	RT SNOW CLASSIFICATION
	SNOW COMPACTION
SNAILS 7	SNOW MECHANICS SNOW SAMPLING
BT INVERTEBRATES MOLLUSCA	SNOW STABILIZATION
RT BENTHIC FAUNA	SNOW STRENGTH
	SNOW TRAFFICABILITY
SNAKES 7	CNOW DETERMING
BT REPTILES	SNOW DRIFTING 6 RT SNOW
VERTEBRATES	SNOW CRYSTALS
SNOW 1 2 5 6 7	SNOW FENCES
BT METEOROLOGICAL FACTORS	SNOW MECHANICS
PRECIPITATION (METEOROLOGY)	SNOW REMOVAL
SURFACE COMPOSITION RT ABLATION	SNOW ROADS SNOW RUNWAYS
RT ABLATION ANTARCTIC REGIONS	SNOW SAMPLERS
ARCTIC REGIONS	SNOW SAMPLING
AVALANCHES	SNOW TRAFFICABILITY
CREVASSES	SNOWFALL
CRYOLOGY	SNOW FENCES 6
FREEZING FROST	SNOW FENCES 6 RT SNOW
GLACIAL GEOLOGY	SNOW DRIFTING
ICE	
MELT WATER	SNOW GAGES 1
METEOROLOGICAL DATA	BT GAGES
METEOROLOGICAL INSTRUMENTS	HYDROLOGIC INSTRUMENTS MEASURING INSTRUMENTS
METEOROLOGY POLAR REGIONS	METEOROLOGICAL INSTRUMENTS
PRECIPITATION GAGES	PRECIPITATION GAGES
RUNOFF	RTSNOW
SLUSH	CNOW HARDWINGS
SNOW CRYSTALS	SNOW HARDNESS 5 BT HARDNESS
	SNOW PROPERTIES
	RT SNOW STRENGTH
	SNOW TRAFFICABILITY

```
SNOW MECHANICS 2 5 6
RT BEARING CAPACITY (ICE AND
                                                                                                                                                                                                 SNOW SAMPLING 2 5 6
BT SAMPLING
RT BEARING CAPACITY (ICE AND
                    SNOW)
CRYOLOGY
GLACIOLOGY
ICE MECHANICS
                                                                                                                                                                                                                     SHOW)
SNOW DENSITY
SNOW DENSITY
SNOW DENSITY
SNOW ROADS
SNOW ROADS
SNOW SAMPLERS
SNOW SURVEYS
             ICE MECHANICS
--MECHANICAL PROPERTIES
SNOW CLASSIFICATION
SNOW COMPACTION
SNOW DENSITY
SNOW DENSITY
SNOW DRIFTING
--SNOW PROPERTIES
SNOW STABILIZATION
SNOW STRENGTH
SNOW TRAFFICABILITY
                                                                                                                                                                                                                       SOIL SAMPLING
                                                                                                                                                                                                 SNOW STABILIZATION 2 5
RT BEARING CAPACITY (ICE AND
                                                                                                                                                                                                                      SNOW COMPACTION
SNOW DENSITY
SNOW MECHANICS
SNOW ROADS
SNOW ROADS
 SNOW PLOWS 5
use SNOW REMOVAL
SNOW PROPERTIES 5
NT BEARING CAPACITY (ICE AND SNOW)
SNOW DENSITY
SNOW HARDNESS
SNOW STRENCTH
SNOW TEMPERATURE
RT-MECHANICAL PROPERTIES
SNOW CLASSIFICATION
SNOW COMPACTION
SNOW MECHANICS
SNOW TRAFFICABILITY
--SURFACE COMPOSITION FACTOR
                                                                                                                                                                                                                       SNOW SAMPLERS
SNOW STRENGTH
                                                                                                                                                                                                 SNOW STRENGTH 2 5

UF SHEAR STRENGTH (SNOW)

BT SNOW PROPERTIES

SURFACE COMPOSITION FACTORS

RT BEARING CAPACITY (ICE AND
                                                                                                                                                                                                                             SNOW)
                                                                                                                                                                                                                        BEVAMETERS
                                                                                                                                                                                                                       BEVAMETERS
CONE INDEX
DROP CONE PENETROMETER
ICE STRENGTH
MECHANICAL PROPERTIES
RAMMSONDE PENETROMETERS
SNOW CLASSIFICATION
SNOW COMPACTION
SNOW DENSITY
SNOW HARDNESS
SNOW MECHANICS
              -- SURFACE COMPOSITION FACTORS
-- TEXTURE
  SNOW REMOVAL
         OW REMOVAL 5 6
UF SNOW PLOWS
RT ICE PREVENTION
              r ICE PREVENTION
-- MAINTENANCE
SNOW COVER
SNOW DRIFTING
SNOW TRAFFICABILITY
-- SNOW VEHICLES
                                                                                                                                                                                                                       SNOW MARDNESS
SNOW MECHANICS
SNOW STABILIZATION
SNOW TEMPERATURE
STRENGTH OF MATERIALS
STRENGTH THEORIES
  SNOW ROADS 2 5 6
BT ROADS
              T ROADS
T ROADS
T BEARING CAPACITY (ICE
AND SNOW)
COLD WEATHER CONSTRUCTION
SNOW COMPACTION
SNOW DRIFTING
SNOW BUNWAYS
SNOW SAMPLERS
SNOW SAMPLING
SNOW STABILIZATION
SNOW STABILIZATION
SNOW STRENGTH
-- SNOW VEHICLES
SUBARCTIC REGIONS
                                                                                                                                                                                                 SNOW SURVEYS 1 2
PT--HYDROLOGIC INSTRUMENTS
--METEOROLOGICAL INSTRUMENTS
SNOW
SNOW SAMPLERS
SNOW SAMPLING
                                                                                                                                                                                                   SNOW TEMPERATURE
                                                                                                                                                                                                         BT
                                                                                                                                                                                                                    SNOW PROPERTIES
TEMPERATURE
                                                                                                                                                                                                         RT SNOW STRENGTH
                       SUBARCTIC REGIONS
UNSURFACED ROADS
                                                                                                                                                                                                 SNOW TRAFFICABILITY 5 6
BT TRAFFICABILITY 5 6
BT TRAFFICABILITY
RT BEARING CAPACITY (ICE AND SNOW)
DROP CONE PENETROMETER
RAMMSONDE PENETROMETERS
SNOW COVER
SNOW DENSITY
SNOW DENSITY
SNOW DRIFFING
SNOW HARDNESS
SNOW MECHANICS
-- SNOW PROPERTIES
SNOW REMOVAL
-- SNOW VEHICLES
  SNOW RUNWAYS 2 5 6
BT RUNWAYS
RT BEARING CAPACITY (ICE
              T BEAFING CAPACITY (ICE
AND SNOW)
COLD WEATHER CONSTRUCTION
SNOW COMPACTION
SNOW DEIFTING
SNOW ROADS
SNOW SAMPLERS
SNOW SAMPLING
SNOW STABILIZATION
SNOW STEENGTH
-- SNOW VEHICLES
UNSURFACED RUNWAYS
                                                                                                                                                                                                 SNOW VEHICLES 5
BT OFF-ROAD VEHICLES
NT SLEDS
  SNOW SAMPLERS 1 2 6
BT SAMPLERS
                                                                                                                                                                                                                       SNOWMOBILES
         BT SAMPLERS
RT--HYDROLOGIC INSTRUMENTS
--METEOROLOGICAL INSTRUMENTS
                                                                                                                                                                                                       SNOWMOBILES
PT-COMBAT VEHICLES
POPESTRY VEHICLES
LIGHT UTILITY VEHICLES
MAINTENANCE VEHICLES
                       SNOW
                      SNOW COMPACTION SNOW COMPACTION SNOW DRIFTING SNOW ROADS SNOW RUNWAYS SNOW STABILIZATION SNOW SURVEYS
                                                                                                                                                                                                              MAINTENANCE VEHICLES
- MILITARY VEHICLES
PERSONNEL CARRIERS
SNOW REMOVAL
SNOW ROADS
SNOW ROADS
SNOW TRAFFICABILITY
                                                                                                                                                                                                               -- TRACKED VEHICLES
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SODIUM INORGANIC COMPOUNDS
NT SODIUM CHLORIDE
SODIUM HYDROXIDE
SODIUM NITRATES
SODIUM OXIDES
SODIUM SILICATES NOWFALL 1 6
RT--HYDROLOGIC INSTRUMENTS
--METEOROLOGICAL INSTRUMENTS
--PRECIPITATION GAGES SNOWFALL SNOW DRIFTING SNOWMELT 1 BT MELT WATER WATER SODIUM NITRATES 2 3 BT NITRATES
SALTS
SODIUM INORGANIC COMPOUNDS ABLATION DESIGN STORM BLACK POWDER FLOOD HYDROGRAPHS FLOOD PEAKS DYNAMITE FRESHETS SODIUM CARBONATES GLACIERS INTERMITTENT STREAMS SODIUM OXIDES BT ALKALIES
OXIDES
SODIUM INORGANIC COMPOUNDS
RT SODIUM HYDROXIDE MELTING OVERLAND FLOW PEAK RUNOFF -- RUNOFF RUNOFF FORECASTING SODIUM SILICATE GROUTS 2 3 BT CHEMICAL GROUTS SNOW STORM RUNOFF SURFACE DRAINAGE GROUTS RT SODIUM SNOWMOBILES SODIUM SILICATES BT LIGHT UTILITY VEHICLES
OFF ROAD VEHICLES
SNOW VEHICLES SODIUM SILICATES 2 3 UF WATER GLASS BT SALTS RT- - FORESTRY VEHICLES
-- TRACKED VEHICLES SILICATES SILICATES
SILICON COMPOUNDS
SODIUM INORGANIC COMPOUNDS
RT-- ADHESIVES
-- CHEMICAL SOIL STABILIZATION
DRILLING FLUIDS SNOWSLIDES 1 2 use AVALANCHES SOAPS -- GELS JOOSTEN PROCESS RT CLEANING AGENTS DETERGENTS
-- FOAMING AGENTS SODIUM SODIUM SILICATE GROUTS SURFACTANTS -- WATERPROOFING WOOD PRESERVATIVES SODA use SODIUM CARBONATES SODIUM SULFATES BT SALTS SULFATES DDIUM 2 3 7 BT METALS RT ALLOYS SODIUM DYFS SODIUM SODIUM CHLORIDE
SODIUM SILICATE
SODIUM SILICATE GROUTS
SODIUM SULFATE HT-- ACOUSTIC DETECTION
-- ACOUSTIC DETECTORS
SOFAR CHANNEL
SONAR SODIUM ALUMINATES 2 BT ALUMINATES SALTS UNDERWATER ACOUSTICS RT BAUXITE SODIUM CARBONATES SOFAR CHANNEL 4 -- WATER CHEMISTRY SOFT SOILS 2 5
RT COMPRESSIBILITY (SOILS)
CONSISTENCY (SOILS)
FLOODED SOILS SODIUM CARBONATES 2 UF SODA BT CARBONATES SALTS SODIUM ALUMINATES SODIUM NITRATES -- MARSHES MUCK MUSKEG OFF- ROAD MOBILITY SODIUM CHLORIDE 1 2 3
UF SALT
BT CHLORIDES
SALTS
SODIUM INORGANIC COMPOUNDS
RT-CHEMICAL SOIL STABILIZATION
CHLORINE
SALT DOMES
SODIUM PEAT PLASTICITY
RELATIVE CONSISTENCY (SOILS)
SATURATED SOILS -- SOIL DEFORMATION SWAMPS -- TRAFFICABILITY SOFTWARE (COMPUTERS) 1 6 use COMPUTER SYSTEMS PROGRAMS SODIUM SODIUM HYDROXIDE 3 7
UF CAUSTIC SODA
BT HYDROXIDES
SODIUM INORGANIC COMPOUNDS SOIL ADHESION UF PILE ADHESION
BT ADHESION
SHAFT RESISTANCE (PILES)
RT--PILE BEARING CAPACITY RT- - ALKALIES SODIUM OXIDES

SOIL ADHESION (Con.)
-- PILE LOAD TESTS
SOIL BUILDUP (VEHICLES)
STICKY LIMIT SOIL BIOLOGY (Con.) SOIL CHEMISTRY -- SOIL MORPHOLOGY TOPSOIL SOIL BLENDING 2 UF SOIL MIXING RT AGGREGATE BI SOIL ADMIXTURES 2 5
BT ADMIXTURES
RT ADDITIVES AGGREGATE BLENDING FROST PROTECTION MECHANICAL SOIL STABILIZATION DRILLING FLUIDS SOIL BLENDING -- SOIL STABILIZATION -- MIXERS -- MIXERS
-- ROAD CONSTRUCTION
SOIL ADMIXTURES
SOIL MIXERS SOIL AGGREGATES 2 5 BT AGGREGATES AGGHEGATES
GRANULAR MATERIALS
SOIL ASPHALT
SOIL CEMENT
SOIL COMPONENTS -- SOIL STABILIZATION SOIL BUILDUP (VEHICLES)
RT SOIL ADHESION SOIL ADHESION
SOIL-TRACK INTERACTION
SOIL-WHEEL INTERACTION SOIL LIME SOIL ALGAE 7
BT ALGAE
MICROORGANISMS SOIL CEMENT 1 2 3 5
NOTE: Mixture of soil, portland cement, and water which is compacted to a high density
FT CEMENT SOIL STABILIZATION
-- CEMENTS PLANTS (BOTANY)
SOIL MICROORGANISMS
RT-- CHRYSOPHYTA CYANOPHYTA -- CEMENTS
EARTH DAMS
-- EROSION CONTROL
DAM FACINGS
FLY ASH
LINED CANALS
-- LININGS SOIL ANALYSIS 2 5
NT-GRAIN SIZE ANALYSIS
HYDROMETER ANALYSIS
SIEVE ANALYSIS
SIEVE ANALYSIS
OF A GRICULTURAL ENGINEERING
OF CHEMICAL ANALYSIS
OF INDEX TESTS
SOIL CHEMISTRY
OF SOIL CHEMISTRY
OF SOIL MECHANICS
OF SOIL PROPERTIES
OF SOIL PROPERTY MEASUREMENTS
SOIL SALINITY
OF SOIL SCIENCE
OF SOIL TESTS (LABORATORY) -- LININGS
-- PAVEMENTS
-- PORTLAND CEMENTS
-- PORTLAND CEMENTS
-- ROAD CONSTRUCTION
ROAD MATERIALS
SOIL AGGREGATES
SOIL ASPHALT
SOIL CEMENT SLOPE PROTECTION
SOIL CHEMISTRY
SOIL (CONSTRUCTION MATERIAL)
SOIL LIME
-- SOIL STABILIZATION
SUBBASES SOIL ARCHING use ARCHING IN SOIL SOIL CEMENT SLOPE PROTECTION 2 3 BT SLOPE PROTECTION RT CEMENT SOIL STABILIZATION SOIL ASPHALT 2 5
BT ASPHALTS
RT ASPHALT REVETMENT
BITUMINOUS SOIL STABILIZATION SOIL CEMENT SOIL CHEMICAL PROPERTIES 2 3 5 7 use SOIL CHEMISTRY -- EROSION CONTROL -- LININGS -- LININGS
-- PAVEMENTS
-- ROAD CONSTRUCTION
ROAD MATERIALS
SOIL AGGREGATES
SOIL CEMENT
SOIL CHEMISTRY
SOIL (CONSTRUCTION MATERIAL)
SOIL LIME
SOIL LIME
SOIL STREVLIVATION OIL CHEMISTRY 2 3 5 7
NOTE: Division of soil science
concerned with the chemical constitution, the chemical properties, and the chemical reactions SOIL CHEMISTRY ties, and the chemical reaction soils
UF SOIL CHEMICAL PROPERTIES
BT CHEMISTRY
SOIL SCIENCE
PT AGRICULTURAL ENGINEERING
BASE EXCHANGE
-- CHEMICAL ANALYSIS
-- CHEMICAL ARALYSIS
-- CHEMICAL PROPERTIES
-- CHEMICAL SOIL STABILIZATION
GEOCHEMISTRY
ph TESTS (SOILS) -- SOIL STABILIZATION SOIL BACTERIA 7
BT BACTERIA 7
MICROORGANISMS
PLANTS (BOTANY)
SOIL MICROORGANISMS
ACTINOMYCETES
NITROCEN PRAYMORE NITROGEN FIXING BACTERIA pH TESTS (SOILS)
--SOIL ANALYSIS
SOIL ASPHALT
--SOIL BIOLOGY SOIL BEARING CAPACITY 2 5 SOIL BIOLOGY 2 7
NOTE: Branch of soil science that deals with the living organisms and the totality of the vital processes in soil
BT BIOLOGY
SOIL SCIENCE
NT SOIL MICROBIOLOGY
RT AGRICULTURAL ENGINEERING
HUMUS SOILS
-- PLANTS (BOTANY) SOIL CEMENT SOIL LIME -- SOIL MINERALOGY -- SOIL MORPHOLOGY SOIL PHYSICS SOIL SALINITY SOIL STABILITY
-- SOIL STABILIZATION -- SOIL STRUCTURE

SOIL CLASSIFICATION 2 3 4 5
UF FIELD CLASSIFICATION (SOILS)
SOIL IDENTIFICATION
VISUAL CLASSIFICATION (SOILS)
BT CLASSIFICATIONS
SURFACE COMPOSITION CLASSIFICATION
TERRAIN CLASSIFICATION
NT THAPFICABILITY CLASSIFICATION
HT-ATTERBERG LIMITS
BORING LOGS SOIL CONSERVATION (CONSERVATION SEDIMENT CONTROL SOIL EROSION -- SOIL SCIENCE TOPSOIL TOPSTRATUM DEPOSITS WATER CONSERVATION SOIL CONSISTENCY BORING LOGS COEFFICIENT OF CURVATURE COEFFICIENT OF UNIFORMITY use CONSISTENCY (SOILS) SOIL CONSOLIDATION 2
use CONSOLIDATION (SOILS) COLOR
GRAIN SHAPES
- GRAIN SIZE ANALYSIS
- GRAIN SIZES
- GRAIN SIZES
- HAND TESTS
- INDEX TESTS
LIQUID LIMIT
- LOGGING
ODDES SOIL (CONSTRUCTION MATERIAL)
RT BENTONITE
--CLAYS -- COARSE GRAINED SOILS
-- COHESIONLESS SOILS
-- COHESIVE SOILS
-- EMBANKMENT CONSTRUCTION ODORS -- FINE GRAINED SOILS -- GRAVELS PERMEABILITY (SOILS) -- PLASTICITY PLASTICITY INDEX -- ROAD CONSTRUCTION
-- SANDS -- SHEAR STRENGTH (SOILS) SOIL ANALYSIS SOIL COMPONENTS -- SILTS
SOIL ASPHALT
SOIL CEMENT
-- SOIL MECHANICS SOIL GRADATION -- SOIL HORIZONS -- SOIL MECHANICS SOIL PROFILES
-- SOIL PROPERTIES
-- SOIL SCIENCE SOIL CONTAMINATION CONTAMINATION CONTAMINANTS DETERGENTS
-- INDUSTRIAL WASTES SOIL SURVEYS SOIL TEST SPECIMENS
-- SOIL TESTS (LABORATORY)
SOIL TEXTURE
UNIFIED SOIL CLASSIFICATION PESTICIDE RESIDUES
-- POLLUTION PUBLIC HEALTH SOIL CORE BARRELS 2
BT CORE BORING SAMPLERS
ROTARY CORE BARRELS
SAMPLERS SYSTEM USDA TEXTURAL CLASSIFICATION SOIL SAMPLERS AUGER CORE BARRELS SOIL COLLOIDS use COLLOIDS DENISON SAMPLERS
PITCHER SAMPLERS
UNDISTURBED SAMPLING
UNDISTURBED SOIL SAMPLES SOIL COMPACTION 2 3 use COMPACTION (SOILS) SOIL COMPONENTS WES SAMPLERS COLLOIDS SOIL CREEP 2 4
BT CREEP
DEFORMATION FINES PARTICLES SOIL AGGREGATES SOIL CLASSIFICATION SOIL TEXTURE DEFORMATION
SOIL DEFORMATION
BASE FAILURES
COMPRESSIVE STRENGTH (SOILS)
COMPRESSIVE STRESS
CAM DATURES SOIL COMPRESSIBILITY 2
use COMPRESSIBILITY (SOILS) DAM FAILURES
LANDSLIDE DAMS
MUD FLOWS
SECONDARY CONSOLIDATION SOIL CONDUCTIVITY 2
RT ELECTRICAL RESISTIVITY
HEAT TRANSFER
HEAT TRANSMISSION
SOIL TEMPERATURE
THERMAL CONDUCTIVITY
THERMAL RESISTANCE SLOPE FAILURES
SOIL CREEP TESTS
-- SOIL PROPERTIES
TOE FAILURES SOIL CREEP TESTS 2

UF CREEP TESTS (SOILS)

BT CREEP TESTS

SOIL TESTS (LABORATORY)

FT-CREEP PROPERTIES

CREEP RATE

CREEP STRENGTH

PROGRESSIVE FAILURE

BOCK CREEP TESTS

SOIL CREEP

-SOIL DEFORMATION

TRIANIAL SHEAR TESTS (SO SOIL CONSERVATION 2 DIL CONSERVATION 2 7
NOTE: Combination of all management and land use methods which safeguard the soil against depletion or deterioration by natural or by man-induced factors BT CONSERVATION
FT AGRICULTURAL ENGINEERING COVER CROPS
- DRAINAGE COVER CROPS
-- DRAINAGE
-- EROSION CONTROL
LAND RECLAMATION
-- MULCHES
-- PLANTS (BOTANY) TRIAXIAL SHEAR TESTS (SOILS) SOIL CUTTING 2 5 UF CUTTING (SOILS) BT BULLDOZERS CUTTING BLADES

SOIL CUTTING (Con.)
EARTHWORK -- EXCAVATION
-- EXCAVATORS PLOWS SCRAPERS TILLAGE TINES SOIL DATA NOTE: Generally quantitative in-formation on soil properties TERRAIN DATA RT-- SOIL PROPERTIES
SOIL PROPERTY MEASUREMENTS TRAFFICABILITY DATA SOIL DEFORMATION
BT DEFORMATION 2 4 5 BT DEFORMATION
NT-CONSOLIDATION (SOILS)
INITIAL CONSOLIDATION
OVERCONSOLIDATION
PRECONSOLIDATION
PRECONSOLIDATION
PRIMARY CONSOLIDATION
SCIL CREEP
SOIL SHRINKAGE
SOIL SWELLING
UNDERCONSOLIDATION
RT BOREHOLE EXPANSION TESTS
COMPRESSIBILITY (SOILS)
CONSISTENCY (SOILS)
POUNDATION SETTLEMENT
PLASTIC DEFORMATION PLASTIC DEFORMATION PRESSURE CHAMBER TESTS REBOUND SETTLEMENT SOFT SOILS SOIL CREEP TESTS - SOIL PROPERTIES
- SOIL STRENOTH
- SOIL TESTS (LABORATORY)
STRESS- STRAIN RELATIONS (SOILS) SUBSIDENCE SOIL DENSIFICATION 2
use DENSIFICATION (SOILS) DENSITY 2 5
SOIL UNIT WEIGHT
WET UNIT WEIGHT (SOILS)
DENSITY (MASS/VOLUME)
SOIL PROPERTIES SOIL DENSITY SULFACE COMPOSITION FACTORS
RT--COME PENETRATION TESTS
--FIELD UNIT WEIGHT DETERMINATION
GAMMA PROBES MOISTURE-DENSITY RELATIONS NUCLEAR METHODS ROCK DENSITY
- SOIL DENSITY MEASURING DEVICES
- SOIL PENETRATION TESTS
SOIL PHYSICS SOIL POROSITY SOIL STABILITY -- SOIL STRUCTURE SOIL VOID RATIO UNIT WEIGHT DETERMINATION SOIL DENSITY DETERMINATION 2 use UNIT WEIGHT DETERMINATION SOIL DENSITY MEASUREMENT 2 5 use UNIT WEIGHT DETERMINATION SOIL DENSITY MEASURING DEVICES
BT MEASURING INSTRUMENTS
NT DENSIOMETERS
RT DRIVE CYLINDER METHOD DRIVE CYLINDER METHOD
- NUCLEAR EQUIPMENT
NUCLEAR METHODS
RUBBER BALLOON METHOD
SAND CONE METHOD

SOIL DENSITY

SOIL DENSITY MEASURING DEVICES (COn.)
-- TRAFFICABILITY TEST INSTRUMENTS
ULTRAVIOLET INSTRUMENTS
-- UNIT WEIGHT DETERMINATION SOIL DISPLACEMENT METHODS NOTE: Includes soil displacement by nuclear explosives, repetitive explosions, surcharge and blastexplosions, suivanted and ing RT--BLASTING
--EXPLOSIVE EXCAVATION
--NUCLEAR EXCAVATION
PRELOAD FILLS
RAPID EARTH CONSTRUCTION
RAPID EXCAVATION SURCHARGE SOIL DYNAMICS 2 3 4 5 NOTE: Study of the engineering properties of soils as they are affected by time dependent loading BT DYNAMICS SOIL MECHANICS RT AIR BLAST INDUCED GROUND T AIR BLAST INDUCED GROUND
MOTION
--DAMPING
--DYNAMIC BEARING CAPACITY
--DYNAMIC LOADS
DYNAMIC RESPONSE
DYNAMIC STRESS MEASUREMENT - DYNAMICS
- DYNAMICS
EARTHQUAKES
- ELASTIC WAVES
- EXPLOSION EFFECTS FOUNDATION VIBRATIONS GEOPHYSICS GEOFHYSICS
GEOTECHNICAL ENGINEERING
HIGH EXPLOSIVE SIMULATION
TECHNIQUE (HEST)
- SEISMIC WAVES
SOIL PHYSICS
TERRADYNAMICS TRANSIENT MOTION TRANSIENT STRESS -- VIBRATIONS -- WAVE PROPAGATION SOIL ENGINEERING 2
use GEOTECHNICAL ENGINEERING SOIL EROSION 1 2 3 7
UF LAND EROSION
BT EROSION
RT AGRICULTURAL ENGINEERING
BANK EROSION
BANK PROTECTION
BEACH EROSION
CHANNEL EROSION CHANNEL EROSION
- DAM FAILURES
DUST STORMS
EROSION CONTROL
GROUND COVER
GULLY EROSION
LAND RECLAMATION
LANDSCAPING MULCHES PEAK RUNOFF PIPING (SEEPAGE) RAIN AND RAINFALL REFORESTATION - RUNOFF SEDIMENT CONTROL SHEET EROSION SHEET FLOODS SLOPE PROTECTION -- SLOPES -- SLOPES
SOIL CONSERVATION
SOIL PHYSICS
-- SOIL STABILIZATION
SOIL WATER STORAGE
STREAM EROSION
-- STREAM FLOW

SOIL EROSION (Con.) TOPSOIL
-- VEGETATION ESTABLISHMENT WIND EROSION

SOIL EXPLORATION 2
use SUBSURFACE EXPLORATION

SOIL FABRIC use SOIL STRUCTURE

SOIL FERTILITY 7
RT PLANT GROWTH
PLANT NUTRITION

SOIL FREEZING 2
use FROZEN SOILS

SOIL FFEEZING TESTS 2
RT ARTIFICIAL FREEZING
FREEZE-THAW TESTS -- FROST ACTION FROZEN SOILS ICE LENSES SOIL TEMPERATURE

FUNGI 7
FUNGI
MICROORGANISMS
PLANTS (BOTANY)
SOIL MICROORGANISMS SOIL FUNGI

SOIL GRADATION 2 5 BT GRADATION
RT-SOIL CLASSIFICATION
SOIL PHYSICS
SOIL TEXTURE

SOIL GROUTING 2 3
BT GROUTING
NT BENTONITE GROUTING -- CLAY GROUTING RT CEMENT GROUTING CLAY GROUTS SLABJACKING -- SOIL GROUTS SOIL POROSITY

SOIL GROUTS 2 3 BT GROUTS
NT BENTONITE GROUTS
-- CLAY GROUTS
FT SOIL GROUTING

SOIL HORIZONS 2
UF A HORIZON
B HORIZON
C HORIZON HORIZONS (SOILS)

RT AGRICULTURAL ENGINEERING
LAYERED SOILS
LEACHING (SOILS) SOIL CLASSIFICATION
SOIL LAYERS
-- SOIL MORPHOLOGY
SOIL PROFILES
-- SOIL SCIENCE
SOIL STRATIFICATION SOIL SURVEYS SOIL TEXTURE TOPSTRATUM DEPOSITS

SOIL IDENTIFICATION 2 use SOIL CLASSIFICATION

SOIL IMPROVEMENT 2 5
use SOIL STABILIZATION

SOIL INFILTRATION use INFILTRATION (SOILS) SOIL INVESTIGATIONS 2 DIL INVESTIGATIONS 2
NOTE: Use of a more specific term
is recommended; consult the terms
listed below, and those listed
under FIELD INVESTIGATIONS and
LABORATORY TESTS
FOUNDATION INVESTIGATIONS
GEOPHYSICAL EXPLORATION
SEISMIC INVESTIGATIONS
SOIL SURPEYS SOIL SURVEYS

SOIL LABORATORIES 2 5
use SOIL MECHANICS LABORATORIES

SOIL LAYERING 5
use SOIL STRATIFICATION

SOIL LAYERS AYERS 2 BORING LOGS DEPOSITION LAYERED SOILS
-- LAYERED SYSTEMS - LOGGING
SOIL HORIZONS
SOIL LENSES
SOIL PROFILES
SOIL STRATIFICATION
SOIL SURVEYS STRATA
-- SUBSURFACE EXPLORATION TWO LAYER SOIL SYSTEM WELL LOGS

UF LENSES 2
UF LENSES (SOILS)
RT BORING LOGS
DEPOSITION
SOIL LAVERS SOIL LENSES SOIL LAYERS SOIL PROFILES SOIL STRATIFICATION WELL LOGS

LIME 2 3 5 LIME MODIFIED SOILS SOIL LIME MIXTURES LIME SOIL LIME UF LIME LIME FLY ASH LIME SOIL STABILIZATION LIME SOIL STABILI:
- PAVEMENTS
- ROAD CONSTRUCTION
ROAD MATERIALS
SOIL AGGREGATES
SOIL ASPHALT
SOIL CHEMISTRY
SUBLASES

SOIL LIME MIXTURES 2 3 5 use SOIL LIME

SOIL LIQUEFACTION 2
use LIQUEFACTION (SOILS)

SUBBASES

SOIL LOADING ON PIPES, CONDUITS. ETC. 2

RT BACKFILLS

LOAD DISTRIBUTION
PIPE COVER

DERGROUND STRUC -- UNDERGROUND STRUCTURES

SOIL- MACHINE SYSTEMS 5
RT SOIL- TRACK INTERACTION
SOIL- VEHICLE INTERACTION
SOIL- WHEEL INTERACTION SYSTEMS ANALYSIS

SOIL MAPPING 2 5
BT MAPPING SURFACE COMPOSITION MAPPING TERRAIN MAPPING
RT AGRICULTURAL ENGINEERING SOIL MAPS -- SOIL SCIENCE SOIL SURVEYS
TRAFFICABILITY MAPPING

SOIL MAPS 5
BT MAPS
TERRAIN MAPS
RT-- GREAT SOIL GROUPS SOIL MAPPING -- SOIL SCIENCE SOIL SCIENCE
SOIL SERIES
SOIL STRENGTH MAPS
-SURFACE COMPOSITION MAPPING
TERRAIN FACTOR MAPS
TRAFFICABILITY MAPS
USDA TEXTURAL CLASSIFICATION
LOCKED MAPS WORLD MAPS SOIL MECHANICS 1 2 3 4 5
NOTE: Application of the laws
and principles of mechanics
and hydraulics to engineering
problems dealing with soil as
an engineering material
NT SOIL DYNAMICS
RT-BEARING CAPACITY
-- CIVIL ENGINEERING
CLAY MINERALOGY
FARTHWORK EARTHWORK
-- EXCAVATION -- FOUNDATIONS
GEOTECHNICAL ENGINEERING -- MECHANICAL PROPERTIES MINING ENGINEERING ROCK MECHANICS -- SHEAR PROPERTIES -- SHEAR PROPERTIES
-- SOIL AMALYSIS
-- SOIL CLASSIFICATION
SOIL (CONSTRUCTION MATERIAL)
SOIL MECHANICS LABORATORIES
SOIL PHYSICS
SOIL PHYSICS SOIL PHYSICS
- SOIL PROPERTIES
- SOIL SCIENCE
- SOIL STABILIZATION
- SOIL TESTS (LABORATORY)
- TRAFFICABILITY VISCOPLASTICITY METHOD SOIL MECHANICS INSTRUMENTS AND EQUIPMENT 2 UF SOIL MECHANICS LABORATORIES UF SOIL MECHANICS LABORATORIES
EQUIPMENT
SOIL TEST EQUIPMENT
NOTE: Use of a more specific
term is recommended; consult
the terms listed below
DRILLING EQUIPMENT
ELECTRICAL EQUIPMENT
LABORATORY EQUIPMENT
MEASURING INSTRUMENTS
OPTICAL INSTRUMENTS OPTICAL INSTRUMENTS PENETROMETERS PILE LOAD TEST EQUIPMENT PILE LOAD TEST INSTRUMENTATION SAMPLERS SHEAR EQUIPMENT VANE SHEAR EQUIPMENT SOIL MECHANICS LABORATORIES
UF SOIL LABORATORIES
BT LABORATORIES
RT HUMID ROOMS
HUMIDITY CONTROL
-- SOIL MECHANICS
-- SOIL TESTS (LABORATORY)

SOIL MECHANICS LABORATORIES EQUIPMENT 2
use SOIL MECHANICS INSTRUMENTS

OLL MICROBIOLOGY 2 7 NOTE: Subspecialization of soil science concerned with soil inhabiting microorganisms

AND EQUIPMENT

SOIL MICROBIOLOGY

SOIL MICROBIOLOGY (Con.) BIOLOGY MICROBIOLOGY SOIL BIOLOGY SOIL SCIENCE BACTERIOLOGY BIODEGRADATION MICRORADIOGRAPHY
-- MICROSCOPY MYXOBACTERATES NEMATODES PHOTOMICROGRAPHY
SOIL MICROMORPHOLOGY
-- SOIL MICROORGANISMS SOIL MICROMORPHOLOGY
BT SOIL MORPHOLOGY
SOIL SCIENCE
RT MICRORADIOGRAPHY - MICROSCOPY MICROSTRUCTURE PHOTOMICROGRAPHY SOIL MICROBIOLOGY SOIL MICROORGANISMS MICROORGANISMS
MICROORGANISMS
SOIL ALGAE
SOIL BACTERIA
SOIL FUNGI
ACTINOMYCETES
NEMATODES NITROGEN FIXING BACTERIA -- PROTOZOA SOIL MICROBIOLOGY SOIL MINERALOGY OIL MINERALOGY 2
NOTE: Subspecialization of soil science concerned with the homogenous inorganic materials found in the earth's crust to the depth of weathering or of sedimentation
BT MINERALOGY
SOIL SCIENCE
NT CLAY MINERALOGY
RT AGRICULTURAL ENGINEERING
-- PHYSICAL GEOLOGY
SOIL CHEMISTRY
-- SOIL MORPHOLOGY SOIL MIXERS MIXERS 2 5 CONSTRUCTION EQUIPMENT MIXERS RT SOIL BLENDING SOIL MIXING 2 5 use SOIL BLENDING OIL MOISTURE 1 2 5
NOTE: That part of the subsurface water which occupies the voids in the soil above the groundwater table
UF FIELD MAXIMUM WATER CONTENT SOIL MOISTURE (SOILS)
FIELD MINIMUM WATER CONTENT
(SOILS) SOIL WATER MOISTURE SOIL PROPERTIES SURFACE COMPOSITION FACTORS WATER
ADSORBED WATER
CAPILLARY WATER
HYGROSCOPIC WATER
ACCRETION (SOIL MOISTURE)
CAPILLARITY
EVAPOTRANSPIRATION
FILMS (MOISTURE)
GROUNDWATER
INFILTRATION (WATER)
MOISTURE DENSITY RELATIONS
SOIL MOISTURE MEASURING
DEVICES SOIL MOISTURE PREDICTION

SOIL PENETRATION 2 4 5 SOIL MOISTURE (Con. MOISTURE (Con.)
SOIL MOISTURE RELATIONS
SOIL PHYSICS
SOIL SHRINKAGE
SOIL SUCTION
SOIL SWELLING
SOIL TEMPERATURE
SOIL VOID RATIO
SOIL WATER STORAGE
STATE OF THE GROUND
-- SUBSURFACE WATERS BT PENETRATION
RT CALIFORNIA BEARING RATIO TESTS
--CONE PENETRATION TESTS -- COME FEMETRATION INST PENETRATION DEPTH PREDICTION PENETRATION RESISTANCE (SOILS) -- PENETROMETERS -- SOIL PENETRATION TESTS TERRADYNAMICS SOIL PENETRATION RESISTANCE 5
use PENETRATION RESISTANCE (SOILS) SURFACE TENSION
SWELLING PRESSURE
WATER CONTENT DETERMINATION SOIL PENETRATION TESTS 2 4 5 UF PENETRATION TESTS (SOILS) SONDING TESTS (SOILS) NT CALIFORNIA BEARING RATIO (SOILS)
--WATER CONTENT (SOILS)
WORKABILITY (SOILS)
ZONE OF AERATION TESTS
-- CONE PENETRATION TESTS SOIL MOISTURE DETERMINATION 2 5 use WATER CONTENT DETERMINATION (SOILS) DRIVEN PROBE TESTS
DYNAMIC CONE PENETRATION TESTS -- DYNAMIC PENETRATION TESTS SOIL MOISTURE MEASUREMENT 2 5 use WATER CONTENT DETERMINATION (SOILS) (FIELD)
FIELD SOIL PENETRATION TESTS
LABORATORY CONE PENETRATION SOIL MOISTURE MEASURING DEVICES 2
BT MEASURING INSTRUMENTS
RT ELECTRICAL RESISTANCE METHODS TESTS -- LABORATORY SOIL PENETRATION TESTS STANDARD PENETRATION TESTS -- NUCLEAR EQUIPMENT NUCLEAR METHODS SINABARD FENETRATION TESTS

-STATIC CONE PENETRATION TESTS

(PIELD)

-STATIC PENETRATION TESTS (FIELD)

RT-BEARING CAPACITY

CONE INDEX

-FIELD TESTS

-PENETRATION DEPTH PREDICTION

PENETRATION RESISTANCE (SOILS)

-PILE BEARING CAPACITY

-SHEAR STRENGTH (SOILS)

SOIL DENSITY

SOIL PENETRATION

-SOIL TESTS (LABORATORY)

SOUNDING METHODS (SOILS)

STRESS-STRAIN CURVES

TERRADYNAMICS

TRAFFICABILITY DATA -- STATIC CONE PENETRATION TESTS SOIL MOISTURE TRAFFICABILITY TEST INSTRUMENTS -- WATER CONTENT DETERMINATION (SOILS) SOIL MOISTURE PREDICTION 2 5
UF MOISTURE PREDICTION RELATIONS
(SOILS) BT PREDICTIONS
RT MOISTURE- DENSITY RELATIONS - SOIL MOISTURE
SOIL MOISTURE RELATIONS
SOIL STRENGTH PREDICTION
TRAFFICABILITY PREDICTION
- WATER CONTENT (SOILS)
WATER TABLE PREDICTION TRAFFICABILITY DATA
-- VANE SHEAR TESTS SOIL MOISTURE RELATIONS SOIL PROPERTY RELATIONS ACCRETION (SOIL MOISTURE) SOIL PERCOLATION USE PERCOLATION MOISTURE DENSITY RELATIONS
-- SOIL MOISTURE
SOIL MOISTURE PREDICTION
-- SOIL STRENGTH SOIL PERMEABILITY 1 2 use PERMEABILITY (SOILS) SOIL PHYSICAL PROPERTIES 2 3 4 5 7 SOIL MORPHOLOGY NOTE: Properties of the soil body or any of its parts BT SOIL SCIENCE NT SOIL MICROMORPHOLOGY use SOIL PROPERTIES SOIL PHYSICS OIL PHYSICS 2

NOTE: Organized body of knowledge concerned with the physical characteristics of soil and with the methods employed in their determinations

UF EARTH PHYSICS
BT SOIL SCIENCE
BT ANDRERD WATER AGRICULTURAL ENGINEERING CONSISTENCY (SOILS) -- SOIL BIOLOGY SOIL CHEMISTRY SOIL HORIZONS
--SOIL MINERALOGY
SOIL PHYSICS
SOIL POROSITY ADSORBED WATER
AGRICLTURAL ENGINEERING
COMPACTIBILITY (SOILS)
CONSISTENCY (SOILS) SOIL PROFILES
-- SOIL STRUCTURE OSMOSIS PLASTICITY SOIL TEXTURE WEATHERING (GEOLOGY) -- SHEAR STRENGTH (SOILS) SOIL CHEMISTRY SOIL PARTICLE CHARACTERISTICS SOIL CHEMISTRY
SOIL DENSITY
SOIL DYNAMICS
SOIL EROSION
SOIL GRADATION UF PARTICLE CHARACTERISTICS (SOILS)
NT GRAIN SHAPES
GRAIN SIZES
RT-GRADATION -- SOIL MECHANICS -- SOIL MOISTURE -- SOIL MORPHOLOGY PARTICLES SOIL STRUCTURE -- TEXTURE

```
SOIL PROPERTIES
                    PHYSICS (Con.)
SOIL POROSITY
SOIL STABILITY
                                                                                                                                                                                                                                                         (Con.)
SOIL PHYSICS
                                                                                                                                                                                                                  PROPERTIES (Con.)
GRAIN SIZES
LIQUID LIMIT
ORGANIC CONTENT
PERMEABILITY (SOILS)
PLASTIC LIMIT
RATING CONE INDEX
SHEAR STRENGTH (SOILS)
SHEAR STRENGTH (SOILS)
              -- SOIL STRENGTH
-- SOIL STRUCTURE
              SOIL SUCTION
SOIL TEMPERATURE
- SOIL TESTS (LABORATORY)
SOIL TEXTURE
SOIL VOID RATIO
                                                                                                                                                                                                           SHEINKAGE LIMIT
SOIL DENSITY
SOIL MOISTURE
SOIL POROSITY
SOIL RESILIENCE
SOIL SALINITY
SOIL STABILITY
- SOIL STRENGTH
- SOIL STRENGTH
  SOIL POROSITY 2 5
                      POROSITY
                     POROSITY
SOIL PROPERTIES
SURFACE COMPOSITION FACTORS
AQUICLUDES
AQUIFERS
CLAY STRUCTURE
                                                                                                                                                                                                                    SOIL SWELLING
SOIL TEMPERATURE
                        COMPRESSIBILITY (SOILS)
                                                                                                                                                                                                                   SOIL TEMPERATURE
SOIL TEXTURE
SOIL VOID RATIO
SPECIFIC GRAVITY
STICKY LIMIT
SURFACE SOIL STRENGTH
TENSILE STRENGTH (SOILS)
TORSIONAL STIFFNESS
TRAFFICABILITY
ACCULTY
                        GRAIN SIZES
              GHAIN SIZES
PERMEABILITY (SOILS)
--PORE PRESSURE
ROCK POROSITY
SOIL DENSITY
                -- SOIL MORPHOLOGY
SOIL PHYSICS
-- SOIL STRUCTURE
                                                                                                                                                                                                       RT ACIDITY
ALKALINITY
                       SOIL TEXTURE
SOIL VOID RATIO
SUBSURFACE DRAINAGE
                                                                                                                                                                                                            ANGLE OF REPOSE
-- BEARING CAPACITY
BORING LOGS
CAPILLARITY
  SOIL PRESSURE 2 4 5
BT PRESSURE
                                                                                                                                                                                                            - CHEMICAL PROPERTIES
DIELECTRIC PROPERTIES
- DYNAMIC BEARING CAPACITY
- EMBANKMENT DESIGN
INTERNAL FRICTION
INTERNAL FRICTION
                        AIR SURCHARGE PRESSURE
                - BEARING CAPACITY
- CONSOLIDATION (SOILS)
INFLUENCE CHARTS
LOAD DISTRIBUTION
- LOADS (FORCES)
OVERBURDEN
                                                                                                                                                                                                                      ISOTROPIC SOILS
                                                                                                                                                                                                           --LOGGING
MATHICES (MATERIALS)
--MCCHANICAL PROPERTIES
--MODULUS OF DEPORMATION
PLASTICITY
POISSON RATIO
--ROCK PROPERTIES
--SOIL ANALYSIS
--SOIL CLASSIFICATION
SOIL CREEP
SOIL DATA
--SOIL DEFORMATION
                                                                                                                                                                                                             -- LOGGING
                        PORE PRESSURE
PRECONSOLIDATION PRESSURE
                        PRESSURE CELLS (SOILS)
PRESSURE DISTRIBUTION
                ROCK MECHANICS
SETTLEMENT ANALYSIS
-- SOIL STRESSES
SWELLING PRESSURE
   SOIL PRESSURE CELLS 1 2 3 4 5 use PRESSURE CELLS (SOILS)
                                                                                                                                                                                                            SOIL DATA
--SOIL DEFORMATION
--SOIL MECHANICS
SOIL PROPERTY MEASUREMENTS
--SOIL PROPERTY VARIATIONS
--SOIL SCIENCE
   SOIL PROFILES 2
NOTE: Vertical sections of soil
showing the nature and sequence
of the various layers, as de-
veloped by deposition or weather-
ing or both
RT ACCESSIBLE EXPLORATION
BORING LOGS
SOIL CLASSIFICATION
SOIL HORIZONS
SOIL LAYERS
                                                                                                                                                                                                           -- SOIL SCIENCE
SOIL-STRUCTURE INTERACTION
SOIL SURVEYS
-- SOIL TESTS (LABORATORY)
SOIL-VEHICLE INTERACTION
SOIL-WHEEL INTERACTION
STRESS-STRAIN RELATIONS (SOILS)
-- SURPACE COMPOSITION
-- WATER CONTENT (SOILS)
WELL LOOS
                SOIL HORIZONS
SOIL LAYERS
SOIL LENSES
-- SOIL MORPHOLOGY
-- SOIL SCIENCE
SOIL SERIES
SOIL STRATIFICATION
SOIL SURVEYS
                                                                                                                                                                                                                    WELL LOGS
                                                                                                                                                                                               SOIL PROPERTY MEASUREMENTS 5
NT--UNIT WEIGHT DETERMINATION
                         SUBSOIL
                                                                                                                                                                                                           -- WATER CONTENT DETERMINATION
(SOILS)
                        TOPSOIL
WELL LOGS
                                                                                                                                                                                                     (SOILS)
FT NUCLEAR METHODS
--SOIL ANALYSIS
SOIL DATA
--SOIL PROPERTIES
--SOIL TESTS (LABORATORY)
   SOIL PROPERTIES 2 3 4 5 7
UF PHYSICAL PROPERTIES (SOILS)
SOIL PHYSICAL PROPERTIES
NT--ATTERBERG LIMITS
CALIFORNIA BEARING RATIO
COEFFICIENT OF SUBGRADE
                                                                                                                                                                                              SOIL PROPERTY RELATIONS 2 5
NT MOISTURE-DENSITY RELATIONS
SOIL MOISTURE RELATIONS
SOIL STRENGTH RELATIONS
                       COEFFICIENT OF SUBGRADE
REACTION
COMPACTIBILITY (SOILS)
COMPRESSIBILITY (SOILS)
COMPRESSIVE STRENOTH (SOILS)
CONSISTENCY (SOILS)
PLEXURAL STRENOTH (SOILS)
COLUMN COUNTY (SOILS)
                                                                                                                                                                                                                   PRESSURE SINKAGE RELATIONS
SLIP SINKAGE RELATIONS
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GRAIN SHAPES

SOIL SAMPLING (Con.)
RT AREA RATIO (SAMPLING)
AUGER BORING
CONTINUOUS SAMPLE BORING
CONTINUOUS SAMPLERS
DRIVE TUBE BORING
-- FIELD TESTS
LIQUID NITROGEN
PARAFFINS
RECOVERY RATIO (SAMPLING)
SAMPLE DISTURBANCE SOIL PROPERTY RELATIONS (Con.)
-- SOIL PROPERTIES
TRAFFICABILITY DATA
TRAFFICABILITY PREDICTION (Con.) SOIL PROPERTY VARIATIONS 2 5
UF SOIL VARIATIONS
TRAFFICABILITY VARIATIONS RT-- SOIL PROPERTIES SOIL RESILIENCE 2
BT SOIL PROPERTIES
RT ELASTIC DEFORMATION
ELASTICITY RECOVERY RATIO (SAMPLIN SAMPLE DISTURBANCE SEDIMENT SAMPLING SNOW SAMPLING -- SOIL SAMPLERS SOIL TEST SPECIMENS -- SOIL TESTS (LABORATORY) REBOUND SOIL SWELLING SOIL SALINITY 2 DIL SALINITY 2
NOTE: Amount of soluble salts in a soil
BT CHEMICAL PROPERTIES
SALINITY
SOIL PROPERTIES
RT AGRICULTURAL ENGINEERING
SALINE SOILS
-- SALTS SOIL SATURATION 2
use SATURATION (SOILS) SOIL SCIENCE 2 5 NOTE: Study of soils as a natural NOTE: Stu product UF PEDOLO product
UF PEDOLOGY
NT CLAY MINERALOGY
-- SOIL BIOLOGY
SOIL CHEMISTRY
SOIL MICROMORPHOLOGY
SOIL MICROMORPHOLOGY
-- SOIL MINERALOGY
-- SOIL MORPHOLOGY
SOIL PHYSICS
RT AGRICULTURAL ENGINEERING
AGRICULTURE SOIL ANALYSIS SOIL CHEMISTRY SOIL SAMPLERS 2 5 BT SAMPLERS NT AUGER CORE BARRELS -- AUGERS BT SAMPLERS

NT AUGER CORE BARRELS

- AUGERS
BARREL AUGERS
BUCKET AUGERS
CONTINUOUS FLIGHT AUGERS
CUP SAMPLERS
DENISON SAMPLERS
DISPLACEMENT SAMPLERS
DISPLACEMENT SAMPLERS
- DRIVE SAMPLERS
- EXPLORATION SAMPLERS
FIXED PISTON SAMPLERS
FIXED PISTON SAMPLERS
HADD AUGERS
HAUD AUGERS
HYDFAULIC PISTON SAMPLERS
- OPEN DRIVE SAMPLERS
PERCUSSION DRIVE SAMPLERS
PITCHER SAMPLERS
PITCHER SAMPLERS
PITCHER SAMPLERS
SHORT PISTON SAMPLERS
SHORT PISTON SAMPLERS
SULT TUBE SAMPLERS
SULT TUBE SAMPLERS
SULT TUBE SAMPLERS
SULT TOPEN SAMPLERS
SULT SPOON SAMPLERS
THICK WALL OPEN SAMPLERS
THICK WALL OPEN SAMPLERS
THIN WALL OPEN SAMPLERS
EXTRUDERS (SOILS)
HARD METAL TEETH CORE BARRELS
OCEAN BOTTOM SAMPLERS
SEDIMENT SAMPLERS
SEDIMENT SAMPLERS
SOIL SAMPLERS AGRICULTURE
- GREAT SOIL GROUPS
-- MINERALOGY
PARENT MATERIALS (SOILS)
SALINE SOILS
-- SOIL ANALYSIS
-- SOIL CLASSIFICATION
SOIL CONSERVATION
SOIL HORIZONS
SOIL MAPPING
SOIL MAPPING
SOIL MECHANICS
SOIL PROFILES
-- SOIL PROPERTIES
SOIL SERIES AGRICULTURE SOIL SERIES SOIL SURVEYS TOPSTRATUM DEPOSITS
USDA TEXTURAL CLASSIFICATION SOIL SERIES 2 5
NOTE: Group of soils having a common mode of origin
BT GREAT SOIL GROUPS
RT AGRICULTURE
LAYERED SYSTEMS
PARENT MATERIALS (SOILS)
-- SOIL CLASSIFICATION
SOIL MAPS
SOIL PROPILES
-- SOIL SCIENCE
SOIL STRATIFICATION
SOIL STRATIFICATION
SOIL STRATIFICATION
SOIL SURVEYS
USDA TEXTURAL CLASSIFICATIO SOIL SAMPLES
SOIL SAMPLING
SOIL TEST SPECIMENS
- TRAFFICABILITY TEST INSTRUMENTS USDA TEXTURAL CLASSIFICATION SOIL SETTLEMENT USE SETTLEMENT WES SAMPLERS SOIL SAMPLES SOIL SHRINKAGE 2 5 2 5 SAMPLES
REMOLDED SOIL SAMPLES
UNDISTURBED SOIL SAMPLES DEFORMATION SHRINKAGE SHRINKAGE
SOIL DEFORMATION
BLACK COTTON SOILS
DESICCATED SOILS
DRYING
LINEAR SHRINKAGE
--SETTLEMENT T PACKAGING
SLURRY CONSOLIDOMETERS
- SOIL SAMPLERS
SOIL SAMPLING
SOIL TEST SPECIMENS
- SOIL TESTS (LABORATORY) SHRINKAGE CRACKING SHRINKAGE INDEX SHRINKAGE LIMIT SHRINKAGE LIMIT TESTS SOIL SAMPLING 2 5 BT SAMPLING

SOIL STABILIZATION BY FREEZING 2
BT SOIL STABILIZATION
RT ARTIFICIAL FREEZING
DEWATERING SOIL SHRINKAGE (Con.)
SHRINKAGE RATIO
--SOIL MOISTURE
SOIL SWELLING SATRATED SOILS THERMAL SOIL STABILIZATION TUNNEL CONSTRUCTION WETTING AND DRYING TESTS SOIL SOLIDIFICATION 2
use SOIL STABILIZATION SOIL STRAIN GAGES
USE STRAIN GAGES SOIL SPECIMENS 2
use SOIL TEST SPECIMENS SOIL STRATIFICATION UF SOIL LAYERING SOIL STABILITY 2 NOTE: Includes stability of slopes and foundations BT SOIL PROPERTIES STRATIFICATION LAYERED SOILS LAYERED SYSTEMS BT SOIL PROPERTIES
STABILITY
RT-BEARING CAPACITY
CONSISTENCY (SOILS)
EMBANKMENT STABILITY
FOUNDATION STABILITY
FOUNDATION STABILITY
- LOAD TESTS (FOUNDATIONS)
SLOPE STABILITY
- SLOPE STABILITY ANALYSIS
SLOPE STABILITY ANALYSIS
SLOPE STABILITY ANALYSIS
SLOPE STABILITY
SOIL CHEMISTRY
SOIL CHEMISTRY
SOIL PHYSICS
- SOIL STABILIZATION SOIL HORIZONS SOIL LAYERS SOIL LENSES SOIL PROFILES SOIL SERIES SOIL THICKNESS SUBSOIL TWO LAYER SOIL SYSTEM SOIL STRENGTH 2 4 5 UF STRENGTH EVALUATION (SOILS) F STEENGTH EVALUATION (SOILS)
T SOIL PROPERTIES
SURFACE COMPOSITION FACTORS
T COMPRESSIVE STRENGTH (SOILS)
FLEXURAL STRENGTH (SOILS)
-- SHEAR STRENGTH (SOILS)
SURFACE SOIL STRENGTH
TENSILE STRENGTH (SOILS)
T AIRPIELD INDEX
-- BEARING CAPACITY
BOREHOLE EXPANSION TESTS
CALIFORNIA BEARING RATIO
-- COHESION -- SOIL STABILIZATION -- SOIL STRENGTH -- SOIL STRUCTURE SOIL TEXTURE -- STRENGTH THEORIES -- TRAFFICABILITY SOIL STABILIZATION 1 2 3 5
UF SOIL IMPROVEMENT
SOIL SOLIDIPICATION
SOLIDIPICATION (SOILS) CALIFORNIA BEARING RATIO
-COHESION
COHRON SHEARGRAPH
-COMFACTION (SOILS)
COME INDEX
CONE PENETRATION TESTS
-CONSOLIDATION (SOILS)
CRITICAL LAYER
FIELD PLATE BEARING TESTS SOLIDIFICATION (SOLS)
STABILIZATION
BITUMINOUS SOIL STABILIZATION
CEMENT SOIL STABILIZATION
CERAMIC SOIL STABILIZATION
- CHEMICAL SOIL STABILIZATION
ELECTROCHEMICAL SOIL STABILI-ZATT FOUNDATION FAILURES
FOUNDATION STABILITY ANALYSIS ELECTROKINETIC SOIL STABILI-ZATION LIME SOIL STABILIZATION FRICTION COEFFICIENT
GROUND FLOTATION
-- LOAD TESTS (FOUNDATIONS)
-- MECHANICAL PROPERTIES MECHANICAL SOIL STABILIZATION
RESINOUS SOIL STABILIZATION
SALT SOIL STABILIZATION
SOIL STABILIZATION
SOIL STABILIZATION BY PREEZING
SULFUR SOIL STABILIZATION
THERMAL SOIL STABILIZATION PENETRATION RESISTANCE (SOILS)
PLATE SINKAGE TESTS PRESSURE CHAMBER TESTS
PROGRESSIVE FAILURE
RATING CONE INDEX
ROCK STRENGTH ADDITIVES BANK STABILIZATION
--BEARING CAPACITY -- SOIL DEFORMATION SOIL MOISTURE RELATIONS BRIQUETS CEMENTATION -- COMPACTION (SOILS)
-- DENSIFICATION (SOILS) SOIL PHYSICS SOIL STABILIZATION SOIL STRENGTH MAPS
SOIL STRENGTH PREDICTION
SOIL STRENGTH RELATIONS
SOIL STRENGTH TEST INSTRUMENTS -- DRAINAGE DUST CONTROL -- EROSION CONTROL GROUND FLOTATION -- SOIL STRENOTH TEST INSTRUMENT:
-- SOIL STRESSES
-- SOIL TESTS (LABORATORY)
STRENGTH OF MATERIALS
-- STRENGTH THEORIES
TRAFFICABILITY CLASSIFICATION
TRAFFICABILITY DATA
VANE SHEAR TESTS -- GROUTING -- PAVEMENTS RAPID EARTH CONSTRUCTION RETARDANTS SAND DRAINS SEALERS -- SLOPE PROTECTION SLOPE STABILIZATION SOIL STRENGTH MAPS 5 SLURRIES DIL STRENGTH MAPS 5
BT MAPS
RT SOIL MAPS
--SOIL STRENGTH
--SURFACE COMPOSITION MAPPING
TERRAIN PACTOR MAPS
--TERRAIN MAPS SOIL ADMIXTURES SOIL ASPHALT SOIL BLENDING SOIL CEMENT SOIL CHEMISTRY
SOIL EROSION
-- SOIL MECHANICS
SOIL STABILITY TRAFFICABILITY MAPS -- SOIL STRENGTH

STABLE CHANNELS
-- TRAFFICABILITY
-- WATERPROOFING

SOIL STRUCTURE INTERACTION 2 4
RT DYNAMIC RESPONSE
PRESSURE DISTRIBUTION SOIL STRENGTH PREDICTION 5 STRENGTH PREDICTION 5
PREDICTIONS
AERIAL COME PENETROMETERS
-- AERIAL PENETROMETERS
PENETRATION DEPTH PREDICTION
SOIL MOISTURE PREDICTION
-- SOIL STRENGTH SELATIONS
TO ARRIVANDE AND DEPOLETION SOIL PROPERTIES
STRESS DISTRIBUTION STRESS- STRAIN RELATIONS (SOILS) SOIL SUCTION 2
NOTE: Negative pressure by which
water is retained in the pores
of a sample of soil when the
sample is free from external TRAFFICABILITY PREDICTION SOIL STRENGTH RELATIONS 5 BT SOIL PROPERTY RELATIONS RT-SOIL STRENGTH SOIL STRENGTH PREDICTION RT- - ABSORPTION SOIL STRENGTH TEST INSTRMENTS CAPILLARY PRESSURE UF SHEAR STRENGTH TEST INSTRUMENTS (SOILS)
BT MEASURING INSTRUMENTS
NT-AERIAL PENETROMETERS
AUTOMATED PENETROMETERS
AUTOMATED PENETROMETERS
BEVAMETERS -- COHESTON MOISTURE SUCTION RELATION-SHIP (SOILS)
NEGATIVE PORE PRESSURE
--SOIL MOISTURE
SOIL PHYSICS BEVAMETERS COHRON SHEARGRAPH SOIL SURVEYS 2 NOTE: Systematic examination, description, classification, and mapping of soils in an -- CONE PENETROMETERS
-- DROP HAMMER PENETROMETERS -- SHEAR EQUIPMENT VANE SHEAR EQIPMENT RT AGRICULTURAL ENGINEERING RT- - PENETROMETERS SHEAR STRENGTH (SOILS) T AGRICULTURAL ENGINE
SOIL CLASSIFICATION
SOIL HORIZONS
SOIL LAYERS
SOIL MAPPING
SOIL PROFILES
-- SOIL PROPERTIES
-- SOIL SCIENCE
SOIL SERIES -- SOIL STRENGTH
-- TRAFFICABILITY TEST INSTRUMENTS SOIL STRESS GAGES 2 3 4 use STRESS GAGES (SOILS) SOIL STRESS-STRAIN RELATIONS 2 5 USE STRESS-STRAIN RELATIONS (SOILS) SOIL SWELLING DIL SWELLING 2 5
UF HEAVING (SOILS)
SWELLING PHENOMENA (SOILS)
SWELLING SOILS SOIL STRESSES STRESSES UNDER TRACKS
-STRESSES UNDER VEHICLES
STRESSES UNDER WHEELS DEFORMATION SOIL DEFORMATION SOIL PROPERTIES CONTACT PRESSURE (VEHICLES)
GROUND STRESSES ADSORBED WATER
BLACK COTTON SOILS
DISPLACEMENT INFLUENCE CHARTS LOAD DISTRIBUTION DOUBLE LAYER THEORY
-- EXPANSIVE CLAYS
-- EXPANSIVE SOILS
LINEAR EXPANSION -- LOADS (FORCES) PORE PRESSURE SOIL PRESSURE -- SOIL STRENGTH -- MECHANICAL PROPERTIES STRESS ANALYSIS STRESS DISTRIBUTION REBOUND OF EXCAVATION STRESS GAGES (SOILS) STRESS HISTORY SOIL MOISTURE SOIL RESILIENCE SOIL SHRINKAGE -- STRESS MEASUREMENT STRESS-STRAIN RELATIONS (SOILS) SWELLING INDEX
SWELLING PRESSURE
VOLUME CHANGE
WETTING AND DRYING TESTS SOIL STRUCTURE 2 5 NOTE: Arrangement and state of aggregation of soil particles in a soil mass
F SOIL FABRIC
SOIL PROPERTIES
T CLAY STRUCTURE SOIL TEMPERATURE 2 5 UF GROUND TEMPERATURE BT SOIL PROPERTIES SINGLE ORAINED STRUCTURE (SOILS)
RT-BEARING CAPACITY
COMPRESSIBILITY (SOILS)
FLOCCULATION SURFACE COMPOSITION FACTORS SURFACE COMPOSITION
TEMPERATURE
T ACTIVE PROST ZONE
AIR TEMPERATURE
FREEZE-THAW
FREEZING INDEX
-- FROST ACTION
FROST PENETRATION
FROST SUSCEPTION GRAIN SHAPES GRAIN SIZES MATRICES (MATERIALS)
SECONDARY CONSOLIDATION
SOIL CHEMISTRY
SOIL DENSITY FROST SUSCEPTIBLE SOILS FROZEN SOILS -- SOIL MORPHOLOGY
-- SOIL PARTICLE CHARACTERISTICS GEOTHERMOMETRY GEOTHERMOMETRY
SOIL CONDUCTIVITY
SOIL FREEZING TESTS
-- SOIL MOISTURE
SOIL PHYSICS
-- THERMAL PROPERTIES SOIL PARTICLE C SOIL PHYSICS SOIL POROSITY SOIL STABILITY SOIL TEXTURE SOIL VOID RATIO SOIL TEST EQUIPMENT 2
use SOIL MECHANICS INSTRUMENTS

AND EQUIPMENT

SOIL TEST SPECIMENS 2
UF SOIL SPECIMENS
BT TEST SPECIMENS
RT EXTRUDERS (SOILS)
HUMID ROOMS SOIL TESTS (LABORATORY) (Con.) LABORATORY MANUALS LIQUID NITROGEN - PLATE BEARING TESTS
RESEDIMENTED CLAYS
- ROCK TESTS (LABORATORY)
- SHEAR TESTS HOMID ROOMS
ROCK TEST SPECIMENS
SOIL CLASSIFICATION
-- SOIL SAMPLERS
-- SOIL SAMPLES
SOIL SAMPLING
-- SOIL TESTS (LABORATORY) -- SHEAR TESTS
SHEARGRAPH TESTS
SLURRY CONSOLIDOMETERS
-- SOIL ANALYSIS
-- SOIL CLASSIFICATION
-- SOIL DEFORMATION
-- SOIL MECHANICS
-- SOIL MECHANICS LABORATORIES
-- SOIL PHYSICS
-- SOIL PROPERTIES SOIL TESTS (FIELD) 2 5 use FIELD TESTS USE FIELD TESTS

UF LABORATORY SOIL TESTS

NT ANNULAR SHEAR TESTS

-- ATTERBERG LIMITS TESTS

-- COMPACTION TESTS

-- CONSOLIDATION TESTS (SOILS)

CONSOLIDATION TESTS WITH BACK
PRESSURE

CONSTANT HEAD TESTS

DIRECT SHEAR TESTS

FALLING HEAD TESTS

15- BLOW COMPACTION TESTS

FILTER TESTS

FROST SUSCEPTIBILITY TESTS

-- GRAIN SIZE ANALYSIS

GYRATORY COMPACTION TESTS

HYDROMETER ANALYSIS

GYRATORY COMPRESSION TESTS

IGNITION TESTS

LINDER TESTS -- SOIL PROPERTIES -- SOIL PROPERTY MEASUREMENTS
-- SOIL SAMPLES SOIL SAMPLING -SOIL STRENGTH
SOIL TEST SPECIMENS
TEST PROCEDURES
TEST TECHNIQUES
VANE SHEAR TESTS NOTE: Describes the size of par-ticles found in soils BT SOIL PROPERTIES TEXTURE RT BORING SOIL TEXTURE RT BORING LOGS -- CLAYS
-- COARSE GRAINED SOILS
COLLOIDS IGNITION TESTS
INDEX TESTS
KNEADING COMPACTION TESTS
LABORATORY CONE PENETRATION -- FINE GRAINED SOILS FINES -- GRAIN SIZE ANALYSIS -- GRAVELS IMPERVIOUS SOILS TESTS LABORATORY PERMEABILITY TESTS PERVIOUS SOILS LABORATORY PLATE BEARING TESTS LABORATORY UNIT WEIGHT DETER-- SANDS -- SILTS
SOIL CLASSIFICATION
SOIL COMPONENTS
SOIL GRADATION MINATION
LABORATORY VANE SHEAR TESTS
LABORATORY WATER CONTENT
DETERMINATION
-LIQUID LIMIT TESTS
MODEL PILE LOAD TESTS
MODIFIED COMPACTION TESTS
ONE POINT COMPACTION TESTS
ONE POINT LIQUID LIMIT TESTS
PERMEABILITY TESTS WITH BACK
PRESSURE MINATION SOIL GRADATION
SOIL HORIZONS
--SOIL MORPHOLOGY
SOIL PHYSICS
SOIL POROSITY
SOIL STABILITY
--SOIL STRUCTURE
--SURPACE COMPOSITION FACTORS
USDA TEXTURAL CLASSIFICATION
WELL LOSS PERMEABILITY TESTS WITH BACK PRESSURE PIPETTE METHOD PLANE STRAIN SHEAR TESTS (SOILS) PLASTIC LIMIT TESTS Q TESTS (SOILS) RELATIVE DENSITY DETERMINATION S TESTS (SOILS) SHARE TABLE TESTS SHRINKAGE LIMIT TESTS SHEVE ANALYSIS SIMPLE SHEAR TESTS SOIL CREEP TESTS SPECIFIC GRAVITY DETERMINATION STANDARD COMPACTION TESTS STATIC COMPACTION TESTS STATIC COMPACTION TESTS TORSION SHEAR TESTS (SOILS) TRIAXIAL SHEAR TESTS (SOILS) UNCONFINED COMPRESSION TESTS (SOILS)

WATER CONTENT DETERMINATION (SOILS) WELL LOGS SOIL THICKNESS 5 BT SURFACE COMPOSITION FACTORS RT SOIL STRATIFICATION SOIL-TIRE INTERACTION 2 5
use SOIL-WHEEL INTERACTION SOIL-TRACK INTERACTION 5
UP TRACK-SOIL INTERACTION
RT GROUND FLOTATION
PRESSURE DISTRIBUTION
SOIL BUILDUP (VEHICLES)
SOIL-MACHINE SYSTEMS
--SOIL-VEHICLE INTERACTION
SOIL-WHEEL INTERACTION
STRESS DISTRIBUTION
STRESS-STRAIN RELATIONS (SOILS)
STRESSES UNDER TRACKS
TRACKS (SOILS)
--WATER CONTENT DETERMINATION
(SOILS)
--WET ANALYSIS
WETTING AND DRYING TESTS
ACCEPTANCE TESTS
CALIFORNIA BEARING RATIO TESTS
--COMP EPERFERATION TESTS TRACKS -- TRAFFICABILITY VEHICLE SINKAGE -- VEHICLE TESTS SOIL TRAFFICABILITY use TRAFFICABILITY -- COME PENETRATION TESTS
FOUNDATION INVESTIGATIONS
HUMID ROOMS
HUMIDITY CONTROL SOIL UNIT WEIGHT 2 5

SOIL UNIT WEIGHT DETERMINATION USE UNIT WEIGHT DETERMINATION SOILS (Con.) NOTE: Use of a more specific term is recommended; consult the terms listed below SOIL VARIATIONS 5
use SOIL PROPERTY VARIATIONS ACID SOILS AEOLIAN DEPOSITS SOIL-VEHICLE INTERACTION 2 5 UF VEHICLE-SOIL INTERACTION NT SLIP-SINKAGE RELATIONS ALKALINE SOILS ANISOTROPIC SOILS BLACK COTTON SOILS CALCAREOUS SOILS GROUND FLOTATION
OFF-ROAD MOBILITY
PRESSURE DISTRIBUTION
SLIP TESTS (VEHICLES)
SOIL MACHINE SYSTEMS CALICHE CLAYEY SOILS CLAYS COARSE GRAINED SOILS COHESIONLESS SOILS COHESIVE SOILS -- SOIL PROPERTIES SOIL-TRACK INTERACTION SOIL-WHEEL INTERACTION COLLAPSIBLE SOILS COMPACTED SOILS STRESS DISTRIBUTION
STRESS STRAIN RELATIONS (SOILS)
-STRESSES UNDER VEHICLES
TERRAIN-VEHICLE INTERACTION CRATER EJECTA
DESICCATED SOILS
EARTH ROCK MIXTURES
EXPANSIVE SOILS -- TRAFFICABILITY
VEHICLE CONE INDEX
VEHICLE SINKAGE
-- VEHICLE TESTS FINE GRAINED SOILS FLOODED SOILS FROST SUSCEPTIBLE SOILS VISCOPLASTICITY METHOD GRANULAR MATERIALS GRAVELS SOIL VOID RATIO 2 5
BT MECHANICAL PROPERTIES GREAT SOIL GROUPS GYPSUM SOILS RATIOS
SOIL PROPERTIES
VOID RATIO
RT PERMEABILITY (SOILS) IMPERVIOUS SOILS ISOTROPIC SOILS LATERITES PRIMARY CONSOLIDATION
SOIL DENSITY
-- SOIL MOISTURE
SOIL PHYSICS LOESS LUNAR SOILS MICACEOUS SOILS MUCK MUSKEG SOIL POROSITY
-- SOIL STRUCTURE NORMALLY CONSOLIDATED SOILS ORGANIC SOILS OVERCONSOLIDATED SOILS PARENT MATERIALS (SOILS) SOIL WATER 1 2
use SOIL MOISTURE PEAT PERMAFROST SOIL WATER STORAGE
BT WATER STORAGE
RT BANK STORAGE
-- GROUNDWATER PERVIOUS SOILS REMOLDED SOILS RESIDUAL SOILS SOIL CONSERVATION
-- SOIL MOISTURE ROCK FLOUR SALINE SOILS SANDS SANDY SOILS SATURATED SOILS SOIL WATERPROOFING use WATERPROOFING (SOILS) SILTS SILTY SOILS SOIL-WHEEL INTERACTION 2 UP SOIL-TIRE INTERACTION SOIL-WHEEL MECHANICS WHEEL-SOIL INTERACTION RT GROUND FLOTATION -- LANDING GEAR SOFT SOILS SOIL SERIES SUBSOIL SUBSURFACE SOILS SYNTHETIC SOILS UNCONSOLIDATED SOILS OBSTACLE- WHEEL INTERACTION PRESSURE DISTRIBUTION VOLCANIC SOILS SLIP-SINKAGE RELATIONS
SLIP TESTS (VEHICLES)
SOIL BUILDUP (VEHICLES)
SOIL-MACHINE SYSTEMS SULAR CELLS 6
RT PHOTOELECTRIC CELLS SOIL MACHINE SYSTEMS
-SOIL PROPERTIES
SOIL-TRACK INTERACTION
-SOIL-VEHICLE INTERACTION
STRESS DISTRIBUTION
STRESS-STRAIN RELATIONS (SOILS)
STRESSES UNDER WHEELS
TIDE SIDE SIDE STRESS SOLAR ENERGY RT SOLAR HEATING SOLAR RADIATION SOLAR HEATING BT HEATING RT SOLAR ENERGY SOLAR RADIATION TIRE SIDE SLIP -- TIRES TRACTION
-- TRAFFICABILITY
VEHICLE SINKAGE
-- VEHICLE TESTS SOLAR RADIATION 1 6 7
NOTE: Radiation received directly
from the sun
BT RADIATION
NT SUNLIGHT
RT ACTINOMETRY SOIL-WHEEL MECHANICS 2 5
use SOIL-WHEEL INTERACTION AEROSPACE ENVIRONMENT AIR- EARTH INTERPACES AIR- WATER INTERPACES SOILS 1 2 3 5 UF EARTH (SOIL) ASTRONOMY

SOLAR RADIATION (Con.)	SOLIDS FLOW 1
CLIMATIC CHANGES	BT FLOW
CLIMATOLOGY	RT FLOW MEASUREMENT
ELECTROMAGNETIC WAVES	FLUID FLOW
EVAPORATION	MASS FLOW
HYDROLOGIC CYCLE	SOLIDS STEADY FLOW
INSOLATION LIGHT (ILLUMINATION)	UNSTEADY FLOW
METEOROLOGY	UNSIEADI PLON
RADIO WAVES	SOLIFLUCTION 2
SOLAR ENERGY	NOTE: Slow flowing from higher
SOLAR HEATING	to lower ground of masses of
SOLAR SPECTRUM	soil and other loose material
SPACE RADIATION	saturated with water
SUN	BT EARTH MOVEMENTS
THERMAL RADIATION	MASS WASTING
ULTRAVIOLET RAYS	RT BASE FAILURES
carro appearant 6	CREEP
SOLAR SPECTRUM 6	RAIN AND RAINFALL
RT ASTRONOMYSOLAR RADIATION	SATURATED SOILS SLIDING
SODAN NADIATION	SLOPE FAILURES
SOLDIER BEAMS 2 3 4	TOE FAILURES
NOTE: Vertical beams for taking	TOD TAILUTED
reactions from the lagging	SOLITARY WAVES (WATER) 1
BT BEAMS (SUPPORTS)	BT WATER WAVES
BRACINGS	WAVES
STRUCTURAL MEMBERS	
RT BRACED EXCAVATION	SOLUBILITY 1 2 3 7
LAGGING	RTCHEMICAL PROPERTIES
STRUTS	CRYSTALLIZATION
WALES (CONSTRUCTION)	DECOMPOSITION
SOLETANCHE METHOD (GROUTING) 2 3	DIFFUSIVITYDISSOLVED GASES
BT GROUTING	DISSOLVED OXYGEN
RT ALLUVIUM	DISSOLVED SOLIDS
MI-ADBOTION	LEACHING (CONCRETE)
SOLID EXPLOSIVES 4	LEACHING (SOILS)
BT EXPLOSIVES	MIXING
RT PLASTIC FXPLOSIVES	OXYGENATION
SLURRY EXPLOSIVES	PRECIPITATION (CHEMISTRY)
	SOLUTION PHENOMENA (GEOLOGY)
SOLID GEOMETRY 6	SOLVENTS
BT EUCLIDEAN GEOMETRY	THERMAL PROPERTIES
GEOMETRY	TURBIDITY
RT ANALYTIC GEOMETRY	VISCOSITY
PLANE GEOMETRY PROJECTIVE GEOMETRY	SOLUTION PHENOMENA (GEOLOGY) 2
PRODECTIVE GEOMETRI	RT CAVES
SOLID MECHANICS 1 2 5 6	CAVITIES (UNDERGROUND)
use MECHANICS	CENOTES
	HYDRATION
SOLID STATE PHYSICS 2 4 6	HYDROLYSIS
RT ATOMS	KARST
CRYSTALLOGRAPHY	SINKHOLES
ELECTRICAL PROPERTIES	SOLUBILITY
MAGNETIC PROPERTIES	
MECHANICAL PROPERTIES	SOLUTIONS 1
PLASTICITYTHERMAL PROPERTIES	RT LIQUID- VAPOR INTERFACES
THE WIND THOU ENTING	SOLVENTS 2 3 6
SOLID TIRES 5	RT ADDITIVES
BT TIRES	CLEANING AGENTS
RT RIGID WHEELS	COATINGS
RUBBER TIRES (NON PNEUMATIC)	HEAT OF SOLUTION
TIRE CHARACTERISTICS	LACQUERS
	LEACHING (CONCRETE)
SOLID WASTES 7	LEACHING (SOILS)
BT WASTES RT BIODEGRADATION	NITROMETHANE
COAGULATION	ORGANIC COATINGS PAINTS
COMPACTION (SOLID WASTES)	PLASTICIZERS
HAMMERMILLS	SOLUBILITY
INCINERATION	WATER
ORGANIC MATTER	
SLUDGE	SONAR 4
	NOTE: Sound navigation and ranging
SOLIDIFICATION (SOILS) 2 5	RT ACOUSTIC DETECTORS
use SOIL STABILIZATION	ACOUSTIC IMAGING
COLUMN 1 2 2 4 6	SOFAR
SOLIDS 1 2 3 4 6 RT CRYSTALS	SONAR PINGER
FRACTURE OF SOLIDS	UNDERWATER ACOUSTICS
RIGIDITY	
SOLIDS FLOW	

SONAR DETECTION 4
BT ACOUSTIC DETECTION
DETECTION ACOUSTIC IMAGING

SONAR NAVIGATION 1
BT NAVIGATION
RT--SOUNDING METHODS (WATER)
UNDERWATER NAVIGATION

SONAR PINGER RT SONAR

SONIC BOOM 4 6 7
NOTE: Tremendous booming sound
produced as a vehicle, usually
a supersonic jet airplane, exceeds the speed of sound, and
the shock wave reaches the

ground
BT NOISE (SOUND)
SOUND WAVES
RT SUPERSONIC AIRCRAFT

SONIC DEPTH SOUNDERS use DEPTH FINDERS

SONIC LOGGING 2
BT LOGGING
RT CAVITIES (UNDERGROUND)
-- SONICS

SONIC PILE DRIVING 2
BT PILE DRIVING
RT SONIC PILE HAMMERS
--SONICS SONICS VIBRATORY LOADS VIBRATORY PILE DRIVING

SONIC PILE HAMMERS ONIC PILE HAMMERS 2
BT CONSTRUCTION EQUIPMENT
PILE DRIVING EQUIPMENT
PILE HAMMERS
RT SONIC PILE DRIVING
--SONICS
VIBRATORY LOADS
VIBRATORY PILE HAMMERS

SONIC TESTS 3
UF FLEXURAL RESONANT FREQUENCIES
TORSIONAL RESONANT FREQUENCIES
BT NONDESTRUCTIVE TESTS
CONCRETE TESTS
DYNAMIC MODULUS OF ELASTICITY
FREEZE-THAW DURABILITY
RESONANT FREQUENCY
ULTRASONIC TESTS

NICS 1 2 3 4
NOTE: Technology of sound, or elastic wave motion, as applied to problems of measurement, control, and processing NT ULTRASONICS RT--ACOUSTIC PROPERTIES ACOUSTIC SURVEYS -- ACOUSTICS
-- ELASTIC WAVES
HYDROPHONES
SONIC LOGGING
SONIC PILE DRIVING
SONIC PILE HAMMERS -- VIBRATIONS
WAVE DIFFRACTION
WAVE REFLECTION
WAVE REFRACTION

SONISCOPES 3 NOTE: Trade name for machine for measuring compression wave pulse velocity, nondestructive testing RT--NONDESTRUCTIVE TESTS
ULTRASONIC PULSE VELOCITY TESTS
--ULTRASONIC TESTS SOOT 7
NOTE: Agglomerations of tarimpregnated carbon particles
that form when carbonaceousmaterial does not undergo
complete combustion
RT AIR POLLUTION
COMBUSTION PRODUCTS
-- PMISSIONS -- EMISSIONS PARTICULATES

SOREL CEMENTS 3
use MAGNESIUM CEMENTS

SORPTION 3 7
NOTE: Includes both adsorption and absorption; sorption is basic to many processes used to remove gaseous and particulate pollutants from an emission and to clean up oil spills
RT--ABSORPTION
--ADSORPTION
--CHEOMATOGRAPHY

-- CHROMATOGRAPHY DESORPTION EXTRACTION - INTERFACES -- SEPARATION

SOUND 1 2 3 4 6 7 use SOUND WAVES

SOUND FILTERS 6
use ACOUSTIC FILTERS

SOUND INSULATION 3 6
use ACOUSTIC INSULATION

SOUND PROPAGATION 3 6 7 use SOUND TRANSMISSION

SOUND TRANSMISSION 3 6 7
UF SOUND PROPAGATION
BT WAVE PROPAGATION
RT- ABSORPTION
ACOUSTIC INSULATION
ACOUSTICS - DIFFRACTION
INSULATING BOARDS
NOISE REDUCTION
- PANELS
REFRACTION -- SOUND WAVES WAVE ATTENUATION

SOUND (UNDERWATER) 6
use UNDERWATER ACOUSTICS

OUND WAVES 1 2 3 4 6 7
UF ACCUSTIC WAVES
SOUND
WAVES (ACCUSTICS)
BT ELASTIC WAVES
MECHANICAL WAVES
WAVES SOUND WAVES MECHANICAL WAVES
WAVES
NT--NOISE (SOUND)
SONIC BOOM
RT--ACOUSTIC SURVEYS
ACOUSTIC SURVEYS

-- ACOUSTICS ALTIMETERS COMPRESSION WAVES DEPTH FINDERS
MATHEMATICAL PHYSICS
OUTRUNNING WAVES -- RESONANCE SOUND TRANSMISSION ULTRASONIC TESTS UNDERWATER ACOUSTICS

SOUNDING METHODS (SOILS) 2
RT--BORING RECONNAISSANCE SURVEYS
--SITE SELECTION
--SOIL PENETRATION TESTS
--SUBSURFACE EXPLORATION SOUNDING METHODS (WATER) 1
UP DEPTH SOUNDING
ECHO SOUNDING
RT DEPTH FINDERS
DEPTH FINDING
DEPTH RECORDERS (WATER)
HYDROGRAPHIC SONAR
HYDROGRAPHIC SURVEYS
-- NAVIGATION
ULTRASONICS ULTRASONICS UNDERWATER ACOUSTICS SOUNDING TESTS (SOILS) 2
use SOIL PENETRATION TESTS SOUNDNESS (CEMENT) 3
NOTE: Freedom from excessive
volume change after setting
UF UNSOUNDNESS (CEMENT)
BT CEMENT PROPERTIES
RT AUTOCLAVE TESTS
MAGNESIUM OXIDES
PAT TESTS
DEPTI AND CEMENT PHYSICAL PORTLAND CEMENT PHYSICAL PROPERTIES SOUNDNESS TESTS 3 BT CONCRETE TESTS RT--AGGREGATES FREEZE- THAW TESTS SOUNDPROOFING 3 6
use ACOUSTIC INSULATION SPACE 6 NT HYPERSPACE SPACE ENGINEERING USE AEROSPACE ENGINEERING SPACE ENVIRONMENT 5 6 7
use AEROSPACE ENVIRONMENT SPACE EXPLORATION 6
UF PLANETARY EXPLORATION
RT AEROSPACE ENVIRONMENT ASTRODYNAMICS ASTRONAUTICS SPACE FLIGHT
-- SPACE VEHICLES SPACE FLIGHT RT AEROSPACE ENVIRONMENT ASTRODYNAMICS ROCKETS SPACE EXPLORATION -- SPACE VEHICLES SPACE PHOTOGRAPHY BT PHOTOGRAPHY SPACE RADIATION 6
UF EXTRATERRESTRIAL RADIATION
BT RADIATION
RT SOLAR RADIATION SPACE SCIENCES ASTRONAUTICS ASTRONOMY COSMOLOGY SPACE VEHICLES 6
UF SPACECRAFT
NT--EXTRATERESTRIAL VEHICLES
LUNAR ROVING VEHICLES
METEOROLOGICAL SATELLITES
SATELLITES (ARTIFICIAL)

SPACE VEHICLES (Con.)
RT ASTRODYNAMICS
ASTRONAUTICS
GROUND SUPPORT EQUIPMENT
MAGNETOMETERS
BOOKETS SPACE EXPLORATION SPACE FLIGHT SPACECRAFT 6
use SPACE VEHICLES SPACING FACTOR (CONCRETES) 3
use AIR ENTRAINED CONCRETES SPALL MEASUREMENT RT SPALLING 3 4 SPALL MECHANISMS use SPALLING 3 4 SPALL VELOCITIES RT SPALLING SPALLATION 2 3 4 use SPALLING SPALLING 2 3 4

UF EXPOLIATION (WEATHERING)
SPALL MECHANISMS
SPALLATION
RT CONCRETE SURFACES
--CRACKING (FRACTURING)
CRUSHING OF ROCKS -- DURABILITY FRAGMENTATION MAGMENTATION
ROCK FRACTURE
SPALL MEASUREMENT
SPALL VELOCITIES
SURFACE DEFECTS (CONCRETE)
TENSILE STRENGTH WEAR -- WEAR TESTS WEATHERING (CONCRETE) SPAWNING 7 RT LIFE CYCLES SPECIFIC AREA DETERMINATION 3
use SPECIFIC SURFACE DETERMINATION SPECIFIC CAPACITY RT AQUIFER TESTS
-- AQUIFERS
-- DISCHARGE (WATER)
-- DRAWDOWN -- GROUNDWATER -- PUMPING -- WATER WELLS -- WELLS SPECIFIC ENERGY 1 use SPECIFIC HEAD SPECIFIC GRAVITY 1 2 3 5
UF ABSOLUTE SPECIFIC GRAVITY
APPARENT SPECIFIC GRAVITY
BULK SPECIFIC GRAVITY
BT SOIL PROPERTIES
SURFACE COMPOSITION FACTORS
RT AGGREGATE TESTS
-- DENSITY (MASS/VOLUME)
HYDROMETER ANALYSIS
-- INDEX TESTS
SPECIFIC GRAVITY DETERMINATION
-- UNIT WEIGHT DETERMINATION SPECIFIC GRAVITY DETERMINATION
BT SOIL TESTS (LABORATORY)
RT HYDROMETERS
SPECIFIC GRAVITY
-- UNIT WEIGHT DETERMINATION
VOLUME MEASURE
WEIGHING DEVICES

SPECIFIC HEAD 1 UF SPECIFIC ENERGY RT HYDRAULIC JUMP SPECIFICATIONS (Con.) SAFETY SAFETY ENGINEERING SAFETY FACTOR -- HYDRAULICS MOMENTUM EQUATION VELOCITY HEAD STANDARDIZATION
--STANDARDS - STANDARDS
STATISTICAL QUALITY CONTROL
- STRUCTURAL DESIGN
TOLERANCES (MECHANICS)
WATER REQUIREMENTS SPECIFIC HEAT 3
UF HEAT CAPACITY
THERMAL CAPACITY
BT THERMAL PROPERTIES
RT THERMAL CONDUCTIVITY
THERMAL RESISTANCE SPECIMEN DRAINS 1 2 BT DRAINS RT FILTER STONES SPECIFIC RETENTION 1
RT HYDROLOGIC PROPERTIES
PERMEABILITY PLANE STRAIN EQUIPMENT - TEST SPECIMENS TRIAXIAL SHEAR EQUIPMENT POROSITY SPECIFIC YIELD SPECTRAL ANALYSIS 2 3 6 use SPECTRUM ANALYSIS -- WATER STORAGE SPECIFIC SURFACE 2 3 NOTE: Surface area of particles contained in a unit weight or absolute unit volume of a SPECTRAL DENSITY use POWER SPECTRA SPECTROCHEMICAL ANALYSIS 3 7
NOTE: Chemical analysis performed
by observing spectra of light
emitted by incandescent vapor of
the material being analyzed
BT CHEMICAL ANALYSIS
CHEMICAL TESTS
SPECTROSCOPIC ANALYSIS
SPECTROSCOPY material RT--ADSORPTION CEMENT PASTES
FILMS (MOISTURE)
FINENESS
GRAIN SHAPES POROSITY
-- POROUS MATERIALS
VOID RATIO SPECTROSCOPY
COLORIMETRIC ANALYSIS
EMISSION SPECTROSCOPY
FLAME PHOTOMETRY
MEASURING INSTRUMENTS
MICROANALYSIS SPECIFIC SURFACE DETERMINATION 3
UF SPECIFIC AREA DETERMINATION SPECIFIC VOLUME 1 3 4
use DENSITY (MASS/VOLUME) NEUTRON ACTIVATION ANALYSIS
-- QUANTITATIVE ANALYSIS SPECTROGRAPHIC ANALYSIS 2
use SPECTROSCOPIC ANALYSIS SPECIFIC WEIGHT 1 3 4
use DENSITY (MASS/VOLUME) SPECIFIC YIELD 1
RT-AQUIFERS
DIFFUSIVITY
HYDROLOGIC PROPERTIES SPECTROGRAPHS 2 3 UF SPECTROGRAPHY RT SPECTROMETERS SPECTROGRAPHY 2 3 7
use SPECTROGRAPHS
SPECTROSCOPY PERCOLATION
-- PERMEABILITY POROSITY
SPECIFIC RETENTION
STORAGE COEFFICIENT
TRANSMISSIVITY SPECTROMETERS PECTROMETERS 1 2 3 6 7
UF SPECTROMETRY
SPECTROSCOPES SPECTROSCOPES
T COLORIMETERS
-- OPTICAL INSTRUMENTS
PHOTOMETERS
-- RADIATION MEASURING INSTRUMENTS
SPECTROGRAPHS
SPECTROPHOTOMETERS
SPECTRORADIOMETERS
-- SPECTROSCOPY
SPECTROSCOPY
SPECTROWN ANALYSIS SPECIFICATIONS 1 2 3 4 5 6
NT VEHICLE SPECIFICATIONS
RT ACCEPTANCE TESTS
BUILDING CODES -- CONSTRUCTION
-- CONSTRUCTION CONTROL
CONSTRUCTION METHODS
CONSTRUCTION PRACTICES CONTRACTS
-- DESIGN
DESIGN DATA
DESIGN STANDARDS SPECTRUM ANALYSIS SPECTROMETRY 1 2 3 6 7
use SPECTROSCOPY FIELD CONTROL
- FIELD CONTROL TESTS (SOILS) MEASURING INSTRUMENTS
RADIATION MEASURING INSTRUMENTS
CHEMICAL ANALYSIS
COLORIMETERS
PHOTOMETERS -- FIELD CONTROL TESTS (SOILS)
-- INSPECTION
-- LOAD TESTS (FOUNDATIONS)
LOAD TESTS (PAVEMENTS)
-- MAINTENANCE
MATERIALS ENGINEERING
-- MECHANICAL PROPERTIES
PERFORMANCE TESTS
PERFORMANCE TESTS (CONCRETE)
PERFORMANCE TESTS (VEHICLES)
-- PROCUREMENT
PUBLIC WORKS SPECTROPHOTOMETERS PHOTOMETERS PHOTOMETRY SPECTROMETERS SPECTROPHOTOMETRY SPECTRORADIOMETERS - SPECTROSCOPIC ANALYSIS PUBLIC WORKS QUALITY -- SPECTROSCOPY -- QUALITY CONTROL RELIABILITY SPECTROPHOTOMETRY 2 3 6
BT SPECTROSCOPY -- REQUIREMENTS

1 5 6
VEHICLE SPEED
WALKING SPEED
SPEED CONTROL
VELOCITY SPECTROPHOTOMETRY (Con.)
RT CHEMICAL ANALYSIS
-- CHROMOTOGRAPHY
COLORIMETRY SPEED COLORIMETRY
FLAME PHOTOMETRY
INFRARED RAYS
INFRARED SPECTROSCOPY
PHOTOMETERS
PHOTOMETERS
SPECTROMETERS SPEED CONTROL 6
RT--AUTOMATIC CONTROL
--CONTROLLERS REGULATORS REMOTE CONTROL SPECTROPHOTOMETERS
SPECTROPHOTOMETRY
-- SPECTROSCOPIC ANALYSIS
-- SPECTRUM ANALYSIS -- SPEED
-- SPEED INDICATORS
SPEED REGULATORS SPEED INDICATORS 6
UF SPEEDOMETERS
BT MEASURING INSTRUMENTS
NT ANEMOMETERS SPECTRORADIOMETERS 6
BT MEASURING INSTRUMENTS
RADIOMETERS SPECTROMETERS SPECTROPHOTOMETERS TACHOMETERS
ACCELEROMETERS
SPEED CONTROL
VELOCITY MEASUREMENT SPECTROSCOPES 1 2 3 6 7 use SPECTROMETERS SPECTROSCOPIC ANALYSIS 2 3
UF SPECTROGRAPHIC ANALYSIS
BT CHEMICAL ANALYSIS
CHEMICAL TESTS
SPECTROSCOPY
NT SPECTROCHEMICAL ANALYSIS
RT ATOMIC SPECTROSCOPY
COLORIMETRIC ANALYSIS
CRYSTALLOGRAPHY
FLAME PHOTOMETRY
INFRARED SPECTROSCOPY
MICROANALYSIS
--MINERALOGY SPEED REGULATORS 1 6 UF GOVERNORS (MACHINERY) BT CONTROL EQUIPMENT REGULATORS AUTOMATIC CONTROL CONTROLLERS
HYDRAULIC TURBINES
SERVOMECHANISMS
SPEED CONTROL -- TURBINES SPEEDOMETERS MINERALOGY
NEUTRON ACTIVATION ANALYSIS
QUANTITATIVE ANALYSIS
SPECTROMETERS
SPECTROPHOTOMETERS use SPEED INDICATORS SPELEOLOGY 2 NOTE: Scientific study or ex-ploration of caverns and related features RT CAVE DEPOSITS CAVES SPECTROPHOTOMETERS
SPECTROPHOTOMETRY
SPECTRUM ANALYSIS
ULTRAVIOLET SPECTROSCOPY
X RAY SPECTROSCOPY CAVITIES (UNDERGROUND) SINKHOLES PECTROSCOPY 1 2 3 6 7
NOTE: Production and investigation of spectra; the science of spectroscopic phenomena
UF ABSORPTION SPECTROSCOPY
SPECTROGRAPHY
SPECTROGRAPHY SPECTROSCOPY SPHERICAL BEARINGS 3
use BEARINGS SPHERICAL GEOMETRY 1 BT GEOMETRY PHERICAL WAVES 2 4

NOTE: Waves in which wave fronts
are concentric spheres
BT WAVES
RT--ELASTIC WAVES ATOMIC SPECTROSCOPY
EMISSION SPECTROSCOPY
INFRARED SPECTROSCOPY
SPECTROCHEMICAL ANALYSIS SPHERICAL WAVES SPECTROGERMICAL ANALYSIS
SPECTROPHOTOMETRY
-- SPECTROSCOPIC ANALYSIS
ULTRAVIOLET SPECTROSCOPY
X RAY SPECTROSCOPY
T ABSORPTION SPECTRA
-- CHEMICAL ANALYSIS SPHEROIDAL OSCILLATIONS OF THE EARTH 2 4
use EARTH OSCILLATIONS SPILLWAY ABUTMENTS 1 2 3 COLORIMETRIC ANALYSIS FLUORESCENCE BT ABUTMENTS RT--SPILLWAYS REMOTE SENSING SPECTROMETERS SPILLWAY APPROACHES 1
RT APPROACH CHANNELS
-- DAMS
-- DEBRIS BARRIERS
ENTRANCE CHANNELS
GUIDE WALLS
SPILLWAY CAPACITY
SPILLWAY CREST PIERS
-- SPILLWAYS
TRAINING WALLS SPECTROPHOTOMETERS SPECTRUM ANALYSIS SPECTRUM ANALYSIS 2 3 6 NOTE: Investigation of substances or bodies by means of their or bodies by means of their spectra
UP SPECTRAL ANALYSIS
NT FREQUENCY SPECTRUM ANALYSIS
POWER SPECTRUM ANALYSIS
RT INFRARED SPECTROSCOPY
SPECTROPHOTOMETRY
-- SPECTROSCOPIC ANALYSIS SPILLWAY BUCKETS 1
UF BUCKETS (SPILLWAYS)
RT ENERGY DISSIPATORS (HYDRAULIC
STRUCTURES)

-- SPECTROSCOPY
ULTRAVIOLET SPECTROSCOPY
X RAY SPECTROSCOPY

SPILLWAY CAPACITY 1
RT APPROACH CHANNELS
BACKWATER PROFILES
CRITICAL DEPTH
DAM CRESTS
-- DAM FAILURES
-- DAMS
-- DAMS SPILLWAY PIERS 1
use SPILLWAY CREST PIERS SPILLWAY PROFILES 1
RT WATER SURFACE
-- WATER SURFACE PROFILES
WEIR CRESTS DESIGN FLOOD FLOOD CONTROL FLOOD PEAKS FLOODWAYS SPILLWAY VIBRATION BT VIBRATIONS RT--SPILLWAYS 1 PLOODWAYS
OVERFLOW
PEAK DISCHARGE
PEAK RUNOFF
SPILLWAY APPROACHES
SPILLWAY DESIGN FLOOD SPILLWAYS 1 2 3
NOTE: Waterways in or about a
dam or other hydraulic structure
for the escape of excess water
NT AUTOMATIC SPILLWAYS
CHUTE SPILLWAYS
CHOTES PILLWAYS
DROP SPILLWAYS
DROP SPILLWAYS
DROP INLET SPILLWAYS
EMERGENCY SPILLWAYS
FUSE PLUG SPILLWAYS
OVERFALL SPILLWAYS
OVERFALL SPILLWAYS
OVERFALL SPILLWAYS
SHAFT SPILLWAYS
SHAFT SPILLWAYS
SIDE-CHANNEL SPILLWAYS
SKI-JUMP SPILLWAYS
SKI-JUMP SPILLWAYS
SKI-JUMP SPILLWAYS
SUMMERGED SPILLWAYS
SUMMERGED SPILLWAYS
RT APPROACH CHANNELS SPILLWAY CREST PIERS 1
UF CREST PIERS (SPILLWAYS)
SPILLWAY PIERS
BT PIERS (SUPPORTS)
RT BRIDGE PIERS
-- DAMS FLASHBOARDS OGEE CRESTS PIER END WAVES
SPILLWAY APPROACHES
-- SPILLWAYS
STOP LOGS SPILLWAY CRESTS LLWAY CRESTS 1
T CHUTE SPILLWAYS
CLOSED CONDUIT SPILLWAYS
DESIGN FLOW
-- DISCHARGE (WATER)
-- FLOW CONTROL
HYDRAULIC DESIGN
-- HYDRAULIC GATES
-- HYDRAULICS APPROACH CHANNELS APRONS (HYDRAULIC STRUCTURES) BELLMOUTHS BYPASSES CHUTE BLOCKS CHUTES CONTROL STRUCTURES
-- DAM DESIGN NAPPE OGEE CRESTS OVERFALLS OVERFLOW -- DAMS DAMS
DESIGN FLOW
DISCHARGE (WATER)
DIVERSION DAMS
DIVERSION STRUCTURES
DIVERSION TUNNELS OVERTOPPING
SHAFT SPILLWAYS
SIDE CHANNEL SPILLWAYS
SPILLWAYS DRUM GATES EXIT CHANNELS FLASHBOARDS
FLIP BUCKETS
FLOODWAYS
-- FLOW CONTROL
-- FLUID FLOW
FREEBOARD WATER LEVELS
-- WATER WAVES
WEIR CRESTS SPILLWAY DESIGN 1 RT SPILLWAY DESIGN FLOOD -- SPILLWAYS GUIDE WALLS
--HYDRAULIC ENGINEERING
--HYDRAULICS
MAXIMUM PROBABLE FLOOD SPILLWAY DESIGN FLOOD 1 UF DESIGN FLOOD (SPILLWAY) BT FLOODS NAPPE - OUTLET WORKS OVERFALLS OVERFLOW FLOODS

BACKWATER PROFILES
DESIGN FLOW
--DISCHARGE (WATER)
FLOOD HYDROGRAPHS
FLOOD PEAKS OVERTOPPING PEAK DISCHARGE FLOOD PEARS FLOODWAYS MAXIMUM PROBABLE FLOOD OVERFLOW SPILLWAY CAPACITY SPILLWAY DESIGN PLUNGE BASINS RESERVOIRS ROLLER BUCKETS SCOUR SPILLWAY ABUTMENTS SPILLWAY APPROACHES SPILLWAY CREST PIERS SPILLWAY CRESTS SPILLWAY DISCHARGE COEFFICIENT BT DISCHARGE COEFFICIENTS RT--SPILLWAYS SPILLWAY CRESTS
SPILLWAY DESIGN
SPILLWAY DISCHARGE COEFFICIENT
SPILLWAY GATES
SPILLWAY VIBRATION
STILLING BASINS
TRAINING WALLS
WATER CONTROL
WATER TUNNELS
-- WEIRS SPILLWAY GATES 1
BT HYDRAULIC GATES
RT-DISCHARGE (WATER)
FIXED WHEEL GATES
-FLOW CONTROL
-FLUID MECHANICS
GATE HOISTS
RADIAL GATES
ROLLER GATES
SECTOR GATES
-SPILLWAYS
TAINTER GATES SPIRAL COLUMNS 3 BT COLUMNS (SUPPORTS)

THE RESERVE THE PARTY OF THE PA

TAINTER GATES

SPIRAL REINFORCEMENT 3 RT--REINFORCING STEELS

SPIRAL SLOT SAMPLERS 2
use CUP SAMPLERS

SPITS (COASTAL) 1 2
NOTE: Small points of land or
narrow shoals projecting into
a body of water from the shore
RT--BARS (COASTAL)
COASTAL MORPHOLOGY
COASTS
-- GEOMORPHOLOGY

-- GEOMORPHOLOGY
-- REEFS
SANDBARS
SHALLOW WATER
SHOALS

SPLICES 6
RT JOINTS (JUNCTIONS)
SPLICING

SPLICING 3 6
RT--REINFORCING STEELS
SHORING
SPLICES

SPLINE THEORY 6

SPLIT BARREL SAMPLERS 2
use SPLIT SPOON SAMPLERS

SPLIT CYLINDER TESTS 3
use SPLITTING TENSILE STRENGTH

SPLIT LEAF GATES 1 BT HYDRAULIC GATES

SPLIT SPOON BORING 2
use PENETRATION RESISTANCE BORING

SPLIT SPOON SAMPLERS 2
UF SPLIT BARREL SAMPLERS
SPLIT TUBE SAMPLERS
BT DRIVE SAMPLERS
OPEN DRIVE SAMPLERS
PENETROMETERS
SAMPLERS
SOIL SAMPLERS
RT DISTURBED SAMPLING
PENETRATION RESISTANCE BORING
PENETRATION RESISTANCE (SOILS)
REMOLDED SOIL SAMPLES
STANDARD PENETRATION TESTS
THICK WALL OPEN SAMPLERS

SPLIT TUBE SAMPLERS 2
use SPLIT SPOON SAMPLERS

SPLITTING 3 4 RT FRACTURING

SPLITTING TENSILE STRENGTH 3
UF SPLIT CYLINDER TESTS
TENSILE SPLITTING STRENGTH
BT TENSILE STRENGTH
INDIRECT TENSILE STRENGTH
TESTS (CONCRETE)
-- TENSION TESTS

SPLITTING TENSILE TESTS 2
use DIAMETRAL COMPRESSION TESTS
(ROCK)

SPOIL 1 2 4 7
NOTE: Dirt, rock, or sediment
which has been removed from
its original location
NT DREDGED MATERIAL
RT DREDGING
--EXCAVATION

SPOIL (Con.)
MINE WASTES
--MINES (EXCAVATIONS)
--MINING
OPEN PIT MINING
PIT RUN MATERIALS
--REFUSE
SPOIL BANKS
STRIP MINING
TAILINGS
TUNNEL CONSTRUCTION

SPOIL BANKS I RT DREDGING -- SPOIL

SPOIL DISPOSAL 7
BT WASTE DISPOSAL
NT DREDGED MATERIAL DISPOSAL
RT ARTIFICIAL ISLANDS

SPONTANEOUS LIQUEFACTION 2
use LIQUEFACTION (SOILS)

SPORES 7
NOTE: Single reproductive cells
that develop into a separate
organism without fertilization
RT-- BACTERIA
-- FUNGI

SPOT WELDING 2 6
BT WELDING
RT--ELECTRIC WELDING
ULTRASONIC WELDING

SPRAYED COATINGS 7
BT COATINGS
RT ABRASION RESISTANT COATINGS
--FINISHES
ORGANIC COATINGS
PAINTS
--PROTECTIVE COATINGS

SPRAYERS 1 6 RT BLOWERS DIFFUSERS SPRAYING

SPRAYING 1
RT AERATION
JET DIFFUSION
SPRAYERS
SPRAYS
VAPORIZATION

SPRAYS 1
RT AERATION
--EVAPORATION
MIST IRRIGATION
SPRAYING

SPREAD FOOTINGS 2

SPREAD FOUNDATIONS 2
use SHALLOW FOUNDATIONS

SPREADERS 2 3 5
BT CONSTRUCTION EQUIPMENT
MATERIALS HANDLING EQUIPMENT
AGGREGATE SPREADERS
RT AIRPIELD CONSTRUCTION
AIRPORT CONSTRUCTION
DRYING
HELIPORT CONSTRUCTION
- ROAD CONSTRUCTION

SPREADING BASINS 1
RT--AQUIFERS
--ARTIFICIAL RECHARGE
--OROUNDWATER
INFILTRATION (WATER)
PERCOLATION
--RECHARGE (WATER)
RECHARGE WELLS

SPREADING BASINS (Con.) DING BASINS (COM.)
SEWAGE TREATMENT PLANTS
WATER CONSERVATION
WATER MANAGEMENT
WATER SPREADING SPRING DESIGN BT DESIGN VEHICLE DESIGN LEAF SPRINGS PNEUMATIC SPRINGS PREDMATIC SPRINGS
RIDE DYNAMICS
-- SPRINGS (MECHANICAL)
-- SUSPENSION SYSTEMS (VEHICLES)
TIRE DESIGN TIRE DESIGN
TORSIONAL SPRINGS
TRACK DESIGN
--VEHICLE DYNAMICS
VIBRATIONS (VEHICLES)
WHEEL SUSPENSIONS SPRINGS (MECHANICAL) 2 5
BT SUSPENSION SYSTEMS (VEHICLES)
NT LEAP SPRINGS
PNEUMATIC SPRINGS
TORSIONAL SPRINGS
RT--RHEOLOGICAL MODELS
SHOCK ABSORPTION
SPRING DESIGN
--VEHICLE DYNAMICS
VIBRATIONS (VEHICLES)
WHEEL SUSPENSIONS SPRINGS (WATER)
NT GEYSERS
RT AQUICLUDES
-- AQUIFERS 1 2 AQUIFERS
ARTESIAN AQUIFERS
ARTESIAN FLOW
ARTESIAN WATER
ARTESIAN WATER
ARTESIAN WATER
FRESH WATER
GROUNDWATER
HYDROLLIC GRADIENTS
HYDROGEOLOGY
INTERMITTENT STREAMS
MINERAL WATERS
QUICK CONDITION
QUICKSAND
SUBSURFACE WATER
THERMAL WATERS
VERTICAL DRAINS
WATER -- WATER WATER RESOURCES
-- WATER SUPPLY
-- WATER WELLS SPRINKLER IRRIGATION 1 BT IRRIGATION IRRIGATION SYSTEMS RT-- EVAPORATION -- PUMPS -- SURFACE IRRIGATION SPUDDING 2 RT PERCUSSION DRILLING -- PILE DRIVING use DIKES (TRAINING STRUCTURES) QUALLS 1
BT WIND (METEOROLOGY)
RT AIR CIRCULATION
-- PRECIPITATION (METEOROLOGY)
-- STORMS SQUALLS SQUARE FOOTINGS 2 3 FOOTINGS FOUNDATIONS SHALLOW FOUNDATIONS COLUMN FOOTINGS

SQUAT OF VESSELS RT-- BOATS -- SHIPS STA-BARS 1 NOTE: Patented precast concrete armor units BT ARMOR UNITS STA-PODS 1 NOTE: Patented precast concrete armor units BT ARMOR UNITS STABILITY 1 2 5 6
MT DAM STABILITY
EMBANKMENT STABILITY SLOPE STABILITY SOIL STABILITY -- STRUCTURAL STABILITY
VEHICLE STABILITY
RT ANGLE OF REPOSE
-- DAMPING -- DAMPING
-- DURABILITY
-- EQUATIONS OF MOTION
QUALITY
RELIABILITY
-- STABILIZATION
STEADY STATE
SURGES
TOLERANCES (MECHANICS) UNSTEADY STATE STABILITY ANALYSIS (SLOPES) use SLOPE STABILITY ANALYSIS STABILITY ANALYSIS
(STRUCTURAL) 1 2 3
use STRUCTURAL ANALYSIS STABILITY BERMS 1 2 BT BERMS
RT EARTH DAM CONSTRUCTION
EMBANKMENT STABILITY
SEEPAGE BERMS -- SLOPE PROTECTION SLOPE STABILIZATION STABILITY (BITUMINOUS MIXTURES)
RT HUBBARD-FIELD METHOD
HVEEM METHOD
MARSHALL METHOD
OPTIMUM BITUMEN CONTENT STABILITY FACTORS use STABILITY NUMBERS STABILITY METHODS PABILITY METHODS 3
BT STRUCTURAL ANALYSIS
RT COMPLEMENTARY ENERGY METHODS
--EQUILIBRIUM METHODS
--MATRIX METHODS STABILITY NUMBERS 2
UF STABILITY FACTORS
RT CRITICAL HEIGHT
CRITICAL SURPACE
SAFETY FACTOR -- SLOPE STABILITY ANALYSIS STABILIZATION 1 2 3 5
NT BANK STABILIZATION
CHANNEL STABILIZATION
SLOPE STABILIZATION SOLVE STABILIZATION
SOIL STABILIZATION
CONSOLIDATION (CONCRETE)
HEAT TREATMENT
-- STABILITY

STABILIZATION PONDS use LAGOONS (PONDS) STAINS (Con.)
PAINTS 1 7 STAINING WATER STAIN TESTS STABILOPODS NOTE: Precast concrete armor units STAIRWAYS 3 BT CONCRETE PRODUCTS RT--BUILDINGS BT ARMOR UNITS STABITS 1 NOTE: Precast concrete armor CONCRETE STEPS STANDARD COMPACTION TESTS 2

UF PROCTOR TESTS

BT COMPACTION TESTS

SOIL TESTS (LABORATORY)

RT 15-BLOW COMPACTION TESTS

MODIFIED COMPACTION TESTS units BT ARMOR UNITS STABLE CHANNELS 1 2
BT CHANNELS
RT CHANNEL STABILIZATION
-- LINED CHANNELS
REGIME THEORY
-- SOIL STABILIZATION
-- TRACTIVE FORCES STANDARD DEVIATION 3
RT COEFFICIENT OF VARIATION
-- MOMENTS -- QUALITY CONTROL -- STATISTICAL ANALYSIS STATISTICAL TESTS STACKERS 3
BT MATERIALS HANDLING EQUIPMENT
RT-CONVEYORS
UNLOADERS VARIABILITY STANDARD PENETRATION RESISTANCE STACKS (EXHAUST)
use CHIMNEYS 7 use PENETRATION RESISTANCE (SOILS) STADIUMS 3 BT RECREATIONAL FACILITIES STANDARD PENETRATION TESTS TANDARD PENETRATION TESTS 2
BT DYNAMIC PENETRATION TESTS
(FIELD)
FIELD SOIL PENETRATION TESTS
FIELD TESTS
SOIL PENETRATION TESTS
RT DRIVEN PROBE TESTS
DYNAMIC CONE PENETRATION TESTS
(FIELD)
FENETRATION PESSTANCE PORTOR STAFF GAGES 1 TAFF GAGES 1
BT GAGES
HYDROLOGIC INSTRUMENTS
MEASURING INSTRUMENTS
RT CIPCLLETTI WEIRS
RECTANGULAR WEIRS
STREAM GAGES
VEE-NOTCHED WEIRS
WEIR GAGES
WEIR PONDS
-- WEIRS PENETRATION RESISTANCE BORING RELATIVE DENSITY SPLIT SPOON SAMPLERS STANDARD PROJECT FLOOD use DESIGN FLOOD STAGE AND DISCHARGE RECORDS STANDARDIZATION 5 6
RT NUMERICAL CONTROL
-- QUALITY CONTROL
-- REQUIREMENTS
-- SPECIFICATIONS
-- STANDARDS use STREAM FLOW RECORDS STAGE-DISCHARGE RELATIONS 1 RT--CHANNELS -- DISCHARGE (WATER)
-- DISCHARGE COEFFICIENTS -- STANDARDS -- GAGES -- MEASURING INSTRUMENTS TANDARDS 1 2 3 4 5 6 UF CODES (STANDARDS) ENGINEERING STANDARDS STANDARDS RIVER FORECASTING STREAM FLOW ENGINEERING STANDARDS
DOCUMENTS
BUILDING CODES
DESIGN STANDARDS
MATER QUALITY STANDARDS
ACCEPTABLLITY
ACCEPTANCE TESTS
CALIBRATING
CONTROL CHARTS WATER LEVELS STAGE RECORDERS 1 NOTE: Instruments for measuring water surface elevation RT OPEN CHANNEL FLOW STAGNANT WATER CONTROL CHARTS
COST ENGINEERING
CRITERIA
INDUSTRIAL ENGINEERING
--INSPECTION
PERFORMANCE
--PERFORMANCE TESTS
PERFORMANCE TESTS (CONCRETE)
PRODUCTION CONTROL
--QUALITY CONTROL
--REGULATIONS
RELIABILITY RT DYSTROPHY EUTROPHICATION HYPOLIMNION -- MARSHES -- SWAMPS -- WETLANDS FAINING 3
RT--CHEMICAL TESTS
CONCRETE DISCOLORATION
--CORROSION TESTS
EFFLORESCENCE -- REGULATIONS
RELIABILITY
-- SAMPLING
SPECIFICATIONS
STANDARDIZATION
TOLERANCES (MECHANICS)
-- WATER POLLUTION
WATER QUALITY STAINS WATER STAIN TESTS STAINING (CONCRETE) 3
use CONCRETE DISCOLORATION STANDING CROP 7
NOTE: Total amount of the biomass
of organisms of one or more
species within an area PAINS 3 RT COLORS (MATERIALS) -- CORROSION TESTS STAINS -- DAMAGE

STATIC CONE PENETRATION TESTS (FIELD) 2 PATIC CONE PENETRATION TESTS
(FIELD) 2
BT CONE PENETRATION TESTS
FIELD SOIL PENETRATION TESTS
FIELD TESTS
SOIL PENETRATION TESTS
STATIC PENETRATION TESTS
(FIELD)
RT DUTCH PENETROMETER STANDING CROP (Con.) RT BIOMASS -- COMMUNITY -- PLANTS (BOTANY)
-- POPULATIONS -- PRODUCTIVITY TROPHIC LEVEL STANDING WATERS 1 RT FOREBAYS
-- IMPOUNDMENTS STATIC ELECTRICITY & RT ELECTRIC FIELDS LIGHTNING -- LAKES LENTIC ENVIRONMENT -- MARSHES
MULTIPURPOSE RESERVOIRS STATIC LOADING 1 2 3 4 use STATIC LOADS PONDS -- RESERVOIRS PATIC LOADS 1 2 3 4

UF CONSTANT LOADS
 FERMANENT LOADS
 STATIC LOADING

BT LOADS (FORCES)

RT DEAD LOADS
 LIVE LOADS
 STATIC PILE FORMULAS
 STATIC STRESS MEASUREMENT
-- STRATIC TESTS -- RUNNING WATERS
-- SURFACE WATERS -- SWAMPS -- WETLANDS STANDING WAVES (SOLID MEDIA) 2 4
NOTE: Waves in a medium in which
each point on the axis of the
wave has an associated constant
amplitude ranging from zero at
the nodes to a maximum at the
antinodes
HE STATIONARY WAVES -- STATIC TESTS STATIC PENETRATION TESTS (FIELD)

UF STATIC SOUNDING TESTS (FIELD)

BT FIELD SOIL PENETRATION TESTS

FIELD TESTS

SOIL PENETRATION TESTS

NT STATIC CONE PENETRATION TESTS

(FIELD) UF STATIONARY WAVES BT WAVES RT NODES -- VIBRATIONS STANDING WAVES (WATER) 1 RT-- DYNAMIC PENETRATION TESTS (FIELD) UF CLAPOTIS BT WATER WAVES STATIC PILE PORMULAS 2
RT DYNAMIC PILE DRIVING FORMULAS
-- PILE BEARING CAPACITY
-- PILE LOAD TESTS
POINT RESISTANCE (PILES)
-- SHAFT RESISTANCE (PILES)
STATIC LOADS WAVES BORES (RIVER)
BORES (TIDAL)
-CRITICAL FLOW
FROUDE NUMBER HARMONICS
HYDRAULIC JUMP
OSCILLATIONS (HYDRAULICS) STATIC LOADS STATIC PRESSURE BT PRESSURE SEICHES
WATER WAVE PERIODS
-- WETLANDS STATIC SOUNDING TESTS (FIELD) 2
use STATIC PENETRATION TESTS (FIELD) STANDPIPES 1 2 3 BT CONDUITS PIPES STATIC STRESS MEASUREMENT 2 3
BT STRESS MEASUREMENT
RT DYNAMIC STRESS MEASUREMENT
STATIC LOADS 2 3 4 RT AQUEDUCTS -- PRESSURE WATER DISTRIBUTION
-- WATER PRESSURE
WATER TANKS STRESS METERS STATIC STRUCTURAL ANALYSIS 3
BT STRUCTURAL ANALYSIS
RT--COMPATIBILITY METHODS
DYMAMIC STRUCTURAL ANALYSIS
ELASTIC ANALYSIS
--ENERGY METHODS
--FUEXIBILITY METHODS
--METHODS
--METHODS STANTON TUBE 1
NOTE: Device for measuring boundary shear use PITOT TUBES STATE-OF-THE-ART STUDIES 1 2 3 4 5 6 7 BT DOCUMENTS - MATRIX METHODS
- PLASTIC ANALYSIS
STATICALLY DETERMINATE STRUC-STATE OF THE GROUND 2 5
NOTE: Term for condition of
ground (1.e., dry, wet)
UF GROUND SURFACE
RT EARTH SURFACE
FROZEN SOILS TURES
STATICALLY INDETERMINATE
STRUCTURES
STRAIN ENERGY METHODS
UNIT LOAD METHOD SOIL MOISTURE
-- SURFACE COMPOSITION STATIC TESTS 3 4

NT CONCRETE CREEP TESTS
--CREEP TESTS
STRESS RELAXATION TESTS
RT BEND TESTS
--COMPRESSION TESTS
COMPRESSION TESTS (CONCRETE)
FATIGUE TESTS -- TERRAIN -- TRAFFICABILITY STATIC COMPACTION 2
BT COMPACTION (SOILS)
DENSIFICATION (SOILS)
RT STATIC COMPACTION TESTS
STEEL WHEEL ROLLERS COMPRESSION TESTS (CONCRETE)
FATIGUE TESTS
HARDNESS TESTS
HIGH TEMPERATURE TESTS
HYDROSTATIC COMPRESSION TESTS STATIC COMPACTION TESTS BT COMPACTION TESTS SOIL TESTS (LABORATORY)

RT STATIC COMPACTION

STATISTICAL ANALYSIS (Con.)
REGRESSION ANALYSIS
SEQUENTIAL ANALYSIS
STATISTICAL DISTRIBUTIONS
STATISTICAL QUALITY CONTROL
STATISTICAL TESTS
TIME SERIES ANALYSIS IC TESTS (Con.)
-- HYDROSTATIC TESTS STATIC TESTS INSPECTION LOW TEMPERATURE TESTS
-- NONDESTRUCTIVE TESTS
PLASTICITY TESTS
-- QUALITY CONTROL RADIATION TESTS
-- SHEAR TESTS RT-- CHARTS CLUSTER ANALYSIS COMPUTER APPLICATIONS STATIC LOADS
-- TENSION TESTS
TOLERANCES (MECHANICS)
-- WEAR TESTS CORRELATION CORRELATION TECHNIQUES DATA COLLECTIONS DATA REDUCTION ERROR ANALYSIS FORECASTING STATICALLY DETERMINATE STRUCTURES RT--COMPATIBILITY METHODS COMPLEMENTARY ENERGY METHODS FORECASTING
GRAPHICAL METHODS
LEAST SQUARES METHOD
-- MEASUREMENT
-- OPERATIONS RESEARCH COMPLEMENTARY ENERGY METHODS
DYNAMIC STRUCTURAL ANALYSIS
ELASTIC ANALYSIS
-- ENERGY METHODS
-- EQUILIBRIUM METHODS
-- FLEXIBILITY METHODS
-- MATRIX METHODS
STATIC STRUCTURAL ANALYSIS
STRAIN ENERGY METHODS OPERATIONS RESEARCH
PREDICTIONS
QUALITY CONTROL
QUEUEING THEORY
RANDOM PROCESSES
RELIABILITY
SAMPLING (STATISTICS)
STANDARD DEVIATION
STATISTICAL MODELS
STATISTICAL SAMPLES
STATISTICAL TESTS
STATISTICS -- STRUCTURAL ANALYSIS UNIT LOAD METHOD STATICALLY INDETERMINATE STRUCTURES RT--COMPATIBILITY METHODS COMPLEMENTARY ENERGY METHODS STATISTICS
SYSTEMS ANALYSIS
TIME SERIES ANALYSIS
VECTOR ANALYSIS - DEPORMATION METHODS
DYNAMIC STRUCTURAL ANALYSIS
ELASTIC ANALYSIS
- ENERGY METHODS
- EQUILIBRIUM METHODS
- FLEXIBILITY METHODS STATISTICAL DISTRIBUTIONS 1 2 3 4 5 6 7
UF STATISTICAL FUNCTIONS
BT NUMERICAL ANALYSIS
STATISTICAL ANALYSIS
RT CORRELATION TECHNIQUES
CURVE FITTING
DISPERSION (STATISTICS)
ERROR ANALYSIS
FREQUENCY ANALYSIS
FREQUENCY ANALYSIS
FREQUENCY DISTRIBUTION
GRAPHICAL METHODS
--PREDICTIONS -- FLEXIBILITY METHODS
-- MATRIX METHODS
-- PLASTIC ANALYSIS
STATIC STRUCTURAL ANALYSIS
STATIC STRUCTURAL ANALYSIS
STRAIN ENERGY METHODS
-- STRUCTURAL ANALYSIS
UNIT LOAD METHOD
YIELD LINE METHOD STATICS 1 2 3 NT AEROSTATICS HYDROSTATICS -- PREDICTIONS PROBABILITY THEORY QUALITY CONTROL RELIABILITY RT-- DYNAMICS STATISTICAL QUALITY CONTROL STATISTICAL SAMPLES STATISTICAL TESTS - EQUILIBRIUM GRAPHICAL METHODS INERTIA
--LOADS (FORCES)
MOMENT DISTRIBUTION
--MOMENTS STATISTICAL FUNCTIONS 1 2 3 4 5 6 7 use STATISTICAL DISTRIBUTIONS MOMENTS OF INERTIA STATISTICAL METHODS 1 2 3 4 5 6 7 use STATISTICAL ANALYSIS STRENGTH OF MATERIALS STATIONARY PISTON TYPE SAMPLERS 2
use FIXED PISTON SAMPLERS STATISTICAL MODELS 1 2
BT MATHEMATICAL MODELS
MODELS 1234567 STATIONARY WAVES 2 4
use STANDING WAVES (SOLID MEDIA) STOCHASTIC MODELS RT GAME THEORY
MARKOV PROCESSES
MONTE CARLO METHOD
STATISTICAL ANALYSIS
SYSTEMS ANALYSIS STATIONS NT GAGING STATIONS
--HYDROMETEOROLOGICAL STATIONS
STREAM GAGING STATIONS WEATHER STATIONS STATISTICAL PROCESSES 1 2 3 4 5 6 7 UBE STATISTICAL ANALYSIS STATISTICAL ANALYSIS 1 2 3 4 5 6 7
NOTE: Classification, judging, and
evaluation of numerical data derived from observations made under
suitable control
UF MATHEMATICAL STATISTICS
STATISTICAL METHODS
STATISTICAL PROCESSES
STATISTICAL THEORY
BT NUMERICAL ANALYSIS
NT COEFFICIENT OF VARIATIONS
FREQUENCY ANALYSIS
HISTOGRAMS STATISTICAL QUALITY CONTROL 1 2 3 4 5 6 7
BT NUMERICAL ANALYSIS
QUALITY CONTROL
STATISTICAL ANALYSIS
RT COMPACTION CONTROL (SOILS)
CONTROL CHARTS FREQUENCY ANALYSIS INSPECTION SAMPLING (STATISTICS) SPECIFICATIONS STATISTICAL DISTRIBUTIONS STATISTICAL SAMPLES STATISTICAL TESTS

VARIABILITY

STATISTICAL SAMPLES 1 2 3 4 5 6 7
RT--QUALITY CONTROL
--SAMPLES
SAMPLING (STATISTICS)
--STATISTICAL ANALYSIS
STATISTICAL DISTRIBUTIONS
STATISTICAL QUALITY CONTROL

STATISTICAL SAMPLING 1 2 3 4 5 6 7 use SAMPLING (STATISTICS)

STATISTICAL TESTS 1 2 3 4 5 6 7
BT STATISTICAL ANALYSIS
RT CORRELATION TECHNIQUES
GAUSSIAN DISTRIBUTION
OPERATIONS RESEARCH
--QUALITY CONTROL
RANDOM PROCESSES
REGRESSION ANALYSIS
RELIABILITY
SAMPLING (STATISTICS)
STANDARD DEVIATION
STATISTICAL DISTRIBUTIONS
STATISTICAL QUALITY CONTROL
VARIABILITY

STATISTICAL THEORY 1 2 3 4 5 6 7 use STATISTICAL ANALYSIS

STATISTICS 1 2 3 4 5 6 7
BT NUMERICAL ANALYSIS
RT CORRELATION TECHNIQUES
SAMPLING (STATISTICS)
-- STATISTICAL ANALYSIS

STAUWERKE GATES 1 BT HYDRAULIC GATES

STEADY FLOW 1 2

UP STEADY STATE FLOW
BT FLOW
FLUID FLOW
FLUID FLOW
FLOW PATTERNS
- FLUID DYNAMICS
FLUID RESISTANCE
- GAS FLOW
GRADUALLY VARIED FLOW
HEAT TRANSMISSION
- HYDRAULICS
LAMINAR FLOW
-- LIQUID FLOW
MOODY RESISTANCE DIAGRAMS
-- MULTIPHASE FLOW
ORIFICE FLOW
PIPE FLOW
REYNOLDS NUMBER
SINGLE PHASE FLOW
SUBCRITICAL FLOW
SUBCRITICAL FLOW
SUBCRITICAL FLOW
TRANSIENT FLOW
TURBULENCE
TURBULENT FLOW
TURBULENCE
TURBULENT FLOW
UNIPORM FLOW
-- UNSTEADY FLOW

STEADY STATE 1 6
RT CONTROL THEORY
EQUILIBRIUM
HEAT TRANSMISSION
-- STABILITY
THERMODYNAMICS
UNSTEADY STATE

STEADY STATE FLOW 1
use STEADY FLOW

STEAM 1 RT--ELECTRIC POWER GEYSERS STEAM (Con.)
STEAM POWER PLANTS
STEAM PUMPS
STEAM TURBINES
THERMAL WATERS
WATER VAPOR

STEAM CURING 3
BT CONCRETE CURING
CURING
NT ATMOSPHERIC PRESSURE
STEAM CURING
AUTOCLAVING
--CONCRETE PRODUCTS
HYDROTHERMAL REACTIONS
PRESTEAMING PERIOD

STEAM FLOW 1
BT FLUID FLOW
RT--CRITICAL FLOW
--GAS FLOW
MASS FLOW
--MULTIPHASE FLOW
ORIFICE FLOW
SUBCRITICAL FLOW
SUBCRITICAL FLOW
TURBULENT FLOW
--UNSTEADY FLOW

STEAM POWER PLANTS 1 2 4 6 7
BT ELECTRIC POWER FLANTS
THERMAL POWER PLANTS

TELECTRICAL ENERGY
GEOTHERMAL POWER PLANTS
-- HEAT
STEAM
STEAM PUMPS
STEAM TURBINES
THERMODYNAMICS

STEAM PUMPS 1
BT PUMPS
RT STEAM
STEAM POWER PLANTS

STEAM TURBINES 1
BT TURBINES
RT--ELECTRIC POWER
STEAM STEAM POWER PLANTS

STEEL ARCHES 3 4
BT ARCHES
STRUCTURAL FORMS
RT STEEL BEAMS
STEEL STRUCTURES
-- STEELS
STRUCTURAL STEELS

STEEL BARS 3 4
RT REINFORCING STEELS
STEEL BEAMS
STEEL STRUCTURES
--STEELS
STRUCTURAL STEELS

STEEL BEAMS 3 4
BT BEAMS (SUPPORTS)
RT STEEL ARCHES
STEEL BARS
STEEL STRUCTURES
-- STEELS
STRUCTURAL STEELS

STEEL JACKS 1

NOTE: Steel structural shape used
as river training structures

RT BANK PROTECTION

CHANNEL IMPROVEMENT

CHANNEL STABILIZATION

RIVER TRAINING

STEEL LANDING MATS 2 5 BT LANDING MATS METAL LANDING MATS RT-- STEELS STEEL LININGS 1 BT LININGS RT TUNNEL LININGS STEEL PILES BT PILES 2 H- PILES THE PILES
STEEL PIPE PILES
STEEL SHEET PILES
T COMPOSITE PILES
-- CONCRETE PILES
-- CORROSION
DELIVER PILES DRIVEN PILES PILE CORROSION - STEELS -- TIMBER PILES STEEL PIPE PILES 2 BT PILES STEEL PILES STEEL PIPES 1 BT CLOSED CONDUITS METAL PIPES PIPES RT--CONDUIT BENDS DUCTS PENSTOCKS -- PIPELINES PRESSURE PIPES STEEL PLATES 1 RT DAM FACINGS STEEL SHEET PILES PILES SHEET PILES STEEL PILES CONCRETE SHEET PILES TIMBER SHEET PILES STEEL STRUCTURES 3 4 6
RT STEEL ARCHES
STEEL BARS
STEEL BEAMS -- STEELS -- STRUCTURAL FORMS STRUCTURAL STEELS STEEL SUPPORTS (TUNNELS) 2
use TUNNEL SUPPORTS STEEL WHEEL ROLLERS 2 5
UF FLAT WHEEL ROLLERS
SMOOTH WHEEL ROLLERS
COMPACTION EQUIPMENT
CONSTRUCTION EQUIPMENT ROLLERS
RT-- ASPHALT PAVING MACHINES BASE COURSES
CRUSHED STONE
SMOOTH WHEEL VIBRATORY ROLLERS
STATIC COMPACTION STEELS 2 3 4 5 6 B'' METALS HIGH STRENGTH STEELS PRESTRESSING STEELS REINFORCING STEELS STRUCTURAL STEELS -- FERRITES IRON LITHIUM MANGANESE -- METALLURGY MOLYBDENUM NICKEL

STEELS (Con.) STEEL ARCHES STEEL BARS STEEL BEAMS
STEEL LANDING MATS
--STEEL PILES
STEEL STRUCTURES TIN TITANIUM TUNGSTEN STEERING NT ACKERMAN STEERING ARTICULATED STEERING SKID STEERING STEMMING 4
NOTE: Filling of a shaft with
material such as water, soil,
or grout in order to contain an
explosion RT-- CONTAINMENT STEPS (CONCRETE) 3
use CONCRETE STEPS STEREOGRAPHIC PROJECTION RT PHOTOGRAMMETRY STEREOSCOPES EOSCOPES 1 6
PHOTOGRAPHIC EQUIPMENT
STEREOSCOPIC PHOTOGRAPHY STEREOSCOPIC PHOTOGRAPHS BT PHOTOGRAPHS
RT AERIAL PHOTOGRAPHS
STEREOSCOPY STEREOSCOPIC PHOTOGRAPHY
BT PHOTOGRAPHY
RT AERIAL PHOTOGRAPHY
COLOR PHOTOGRAPHY PHOTOGRAPHIC EQUIPMENT
STEREOSCOPES STEREOSCOPY STEREOSCOPY STEREOSCOPIC PHOTOGRAPHS STEREOSCOPIC PHOTOGRAPHY STERILIZATION RT-DECONTAMINATION DISINFECTION -- PEST CONTROL STICKY LIMIT 2 5
BT ATTERBERG LIMITS
MECHANICAL PROPERTIES
SOIL PROPERTIES ATTERBERG LIMITS TESTS STICKY LIMIT TESTS SOIL ADHESION STICKY LIMIT TESTS 2 5
BT ATTERBERG LIMITS TESTS
INDEX TESTS
SOIL TESTS (LABORATORY)
RT STICKY LIMIT TIFFNESS 2 3 4 5 6
BT MECHANICAL PROPERTIES
NT TIRE STIFFNESS
TORSIONAL STIFFNESS
RT CONSISTENCY (SOILS)
-- DEFORMATION
EARLY STIFFENING TESTS
-- FLEXURAL STRENGTH
-- MODULUS OF ELASTICITY
RELATIVE CONSISTENCY (SOILS)
RIGIDITY STIFFNESS RIGIDITY
-- STIFFNESS METHODS
-- TENSILE PROPERTIES
TOUGHNESS

STIFFNESS METHODS 3
BT COMPATIBILITY METHODS
MATRIX METHODS
STRUCTURAL ANALYSIS
NT UNIT DISPLACEMENT METHOD
RT-DEFORMATION METHODS
ELASTIC ANALYSIS
--ENERGY METHODS
STATICALLY INDETERMINATE STRUCTURES
STIFFNESS

STILLING BASINS 1 3
NOTE: Energy dissipators
RT APRONS (HYDRAULIC STRUCTURES)
BAFFLE PIERS
BASINS (CONTAINERS)
CHUTE SPILLWAYS
CHUTE SPILLWAYS
CLOSED CONDUIT SPILLWAYS
CRITICAL DEPTH
DENTATED SILLS
END SYLLS

END SILLS
ENERGY DISSIPATION
ENERGY DISSIPATORS (HYDRAULIC
STRUCTURES)
EXIT CHANNELS
FLIP BUCKETS

-- FLOW
GUIDE WALLS
-- HYDRAULIC ENGINEERING
HYDRAULIC JUMP
JET DIFFUSION
-- OUTLET WORKS
BOLL WALKS

HYDRAULIC JUMP
JET DIFFUSION
--OUTLET WORKS
ROLL WAVES
SCOUR
SHAFT SPILLWAYS
SIDE CHANNEL SPILLWAYS
SKI-JUMP SPILLWAYS
SLUG FLOW
--SPILLWAYS

STILLING WELLS 1
RT-DAMPING
DISCHARGE MEASUREMENT
FLOAT WELLS
FLOW MEASUREMENT
LIQUID LEVEL INDICATORS
STREAM GAGING
STREAM GAGING
STREAM GAGING STATIONS
WATER LEVELS
--WATER MEASUREMENT
WATER STAGE RECORDERS
--WEIRS

STIRRUPS 2 3 RT--REINFORCING STEELS . SHEAR STRESS STRAPPING

STOCHASTIC HYDROLOGY 1
use SYNTHETIC HYDROLOGY

STOCHASTIC MODELS 1 4 6 7
NOTE: Models which use the theory
of randomness
BT MATHEMATICAL MODELS
MODELS
STATISTICAL MODELS
RT LINEAR PROGRAMMING
-- OPERATIONS RESEARCH
PROBABILITY THEORY
STOCHASTIC PROCESSES

STOCHASTIC PROCESSES 1 6
NT RANDOM PROCESSES
RT INFORMATION THEORY
MATHEMATICAL MODELS
MONTE CARLO METHOD
--OFERATIONS RESEARCH
PROBABILITY THEORY
QUEUEING THEORY
--STATISTICAL ANALYSIS

STOCHASTIC PROCESSES (Con.)
STATISTICAL TESTS
STOCHASTIC MODELS
SYNTHETIC HYDROLOGY
TIME DEPENDENCE
TIME SERIES ANALYSIS

STOCKPILING 2 3 5
RT--AGGREGATES
ANGLE OF REPOSE
MATERIALS HANDLING
PORTLAND CEMENT CLINKER
ROAD MAINTENANCE
SEGREGATION (MATERIALS)

STOICHIOMETRY 3 6
RT--CHEMICAL REACTIONS
--CHEMISTRY
PHYSICAL CHEMISTRY

STOKES LAW 1 2
RT--DENSITY (MASS/VOLUME)
DEPOSITION
FLOW AROUND OBJECTS
GRAIN SIZES
HYDROMETER ANALYSIS
PARTICLE SIZE
PIPETTE METHOD
--SEDIMENTATION
SEDIMENTATION RATES
SETTLING VELOCITY
VISCOSITY
--WET ANALYSIS

STOKES WAVES 1
NOTE: Irrotational finite amplitude
waves with open particle orbits
BT WATER WAVES
WAVES

STOL AIRCRAFT 2 4 5
USE SHORT TAKEOFF AND LANDING
AIRCRAFT

STOLK CUBES 1
use CUBES (ARMOR UNITS)

STONE DIKES 1
BT DIKES (TRAINING STRUCTURES)
RT IMPERMEABLE DIKES
PERMEABLE DIKES
PILE DIKES

STONES 2 3
NT CRUSHED STONE
RT BOULDERS
COBBLES
MASONRY DAMS
-- RIPRAP
-- ROCKS

STONEY GATES 1
BT HYDRAULIC GATES
ROLLER-MOUNTED GATES
RT FLOODGATES

STONELEY WAVES 2 4
BT ELASTIC WAVES
SURFACE WAVES (SOLID MEDIA)
WAVES

STOP LOGS 1
RT EMERGENCY CLOSURES
FLASHBOARDS
--HYDRAULIC GATES
SLOTS
SPILLWAY CREST PIERS

STORAGE 3 4 6 7
NOTE: Use of a more specific term
is recommended; consult the terms
listed below
BINS
BULK HANDLING

E (Con.)
BULK TRANSPORTERS
CEMENT STORAGE STORAGE STORM RUNOFF (Con.) -- STREAMS SURFACE RUNOFF CEMENT STORAGE
DATA STORAGE
ENERGY STORAGE
EXCAVATION
EXPLOSIVE STORAGE
FARM BUILDINGS
FUEL STORAGE
GRAIN ELEVATORS
MATERIALS HANDLING
MUNITIONS STORAGE
FOL STORAGE
STOCKPILING UNIT HYDROGRAPHS URBANIZATION WATER POLLUTION SOURCES STORM SEWERS 1 2 3 5 7
NOTE: Conduits that collect and transport rain and snow runoff back to the groundwater
UF STORM DRAINS STOCKPILING
STORAGE TANKS
UNDERGROUND STORAGE
UNDERGROUND WATER STORAGE BT CONDUITS SEWERS RT COMBINED SEWERS
-- CONDUITS
-- CULVERTS UNDERWATER STORAGE WAREHOUSES DRAIN TILES
-- DRAINAGE STRUCTURES
DRAINAGE SYSTEMS
-- DRAINS
HORIZONTAL DRAINS WATER STORAGE STORAGE BATTERIES 6
UF BATTERIES (STORAGE) -- INTAKES STORAGE CAPACITY 1
RT INFILTRATION (WATER)
POROSITY
STORAGE COEFFICIENT
-- WATER STORAGE OUTFALL SEWERS OUTFALL SEWER
-- PIPES
SIPHONS
STORM RUNOFF
SUBDRAINS -- SUBSURFACE DRAINAGE STORAGE COEFFICIENT SURFACE RUNOFF URBANIZATION RT-- AQUIFERS DIFFUSIVITY NATURAL RECHARGE STORM SURGES NOTE: Rise or piling-up of water against the shore, produced by wind stress and atmospheric pressure differences in a storm UF STORM TIDES
RT-STORMS
SURGES POROSITY
RAINFALL-RUNOFF RELATIONSHIPS
SPECIFIC YIELD
STORAGE CAPACITY
THEIS EQUATION
TRANSMISSIVITY
WATER STORAGE
WATER WELLS POROSITY SURGES STORM TIDES 1
use STORM SURGES STORAGE RESERVOIRS
use RESERVOIRS 1 2 3 4 7 STORM WAVES 1 BT WATER WAVES WAVES STORAGE TANK FOUNDATIONS 2 3 FOUNDATIONS POL STORAGE STORAGE TANKS RT-- STORMS STORMS STORAGE TANKS 2 3 4
UF OIL STORAGE TANKS
BT--CONTAINERS
TANKS (CONTAINERS)
RT FUEL STORAGE
FUEL TANKS
NATURAL GAS
OIL POLLUTION
PETROLEUM
POL STORAGE TROPICAL STORMS BLIZZARDS CLOUDBURSTS DUST STORMS GALES HURRICANES THUNDERSTORMS TORNADOES TYPHOONS AIR MASSES PETROLEUM
POL STORAGE
STORAGE TANK FOUNDATIONS
UNDERGROUND STORAGE
UNDERGROUND WATER STORAGE ATMOSPHERE DESIGN STORM -- EROSION FLOOD FREQUENCIES FLOOD HYDROLOGY -- FLOODS STOREHOUSES use WAREHOUSES 2 3 GUSTS STORM DRAINS 1 2 3 5 7 use STORM SEWERS HAIL -- HYDROGRAPHS -- ICE STORM RUNOFF -- PRECIPITATION (METEOROLOGY)
RAIN AND RAINFALL RUNOFF CLOUDBURSTS FLOOD FREQUENCIES FLOOD HYDROLOGY FLOOD STAGES -- RUNOFF SNOW SQUALLS STORM RUNOFF STORM SURGES STORM WAVES FLOODPLAIN REGULATION FLOODPLAIN STUDIES -- FLOODS TURBULENCE OVERLAND FLOW WEATHER -- WEATHER MODIFICATION WEATHER PATTERNS SNOWMELT STORM SEWERS -- STORMS

-- WIND (METEOROLOGY)

STRAIN ENERGY METHODS 3
BT ENERGY METHODS
STRUCTURAL ANALYSIS
RT--COMPATIBILITY METHODS
COMPLEMENTARY ENERGY METHODS
DYNAMIC STRUCTURAL ANALYSIS
ELASTIC ANALYSIS
--EQUILIBRIUM METHODS
--PLASTIC ANALYSIS
STATIC STRUCTURAL ANALYSIS
STATIC STRUCTURAL ANALYSIS
STATICALLY DETERMINATE STRUCTURES STRAIN MEASURING INSTRUMENTS (Con.) -- SENSORS STRAIN MEASUREMENT -- STRAINS
THERMAL EXPANSION
TRIAXIAL SHEAR EQUIPMENT
VERTICAL MOVEMENT DEVICES STRAIN METERS 1 2 3 4 5 use STRAIN GAGES TRAIN RATE 1 2 5
RT AXIAL STRAIN
--CONSOLIDATION TESTS (SOILS)
LOADING RATE
--LOADS (FORCES)
NORMAL STRAIN STRAIN RATE STATICALLY INDETERMINATE STRUCTURES STRAIN GAGES 1 2 3 UF SOIL STRAIN GAGES STRAIN METERS -- SHEAR TESTS
-- STRAIN GAGES
STRAIN MEASUREMENT GAGES MEASURING INSTRUMENTS MEASURING INSTRUMENTS
STRAIN MEASURING INSTRUMENTS
NT CARLSON STRAIN METERS
--STRAIN GAGES (CONCRETE)
VIBRATING WIRE STRAIN METER
RT CATHETOMETERS
--DEFORMATION GAGES
DIAL GAGES
--EXTENSOMETERS
POTENTIOMETERS
--PRESSURE CELLS
PRESSURE CELLS
PRESSURE GAGES
STRAIN MEASUREMENT
STRAIN RATE
--STRAINS -- STRAINS STRESS- STRAIN CURVES UNCONFINED COMPRESSION TESTS (SOILS) INS 1 2 3 4 5 6
AXIAL STRAIN
DEVIATOR STRAIN
LATERAL STRAIN STRAINS NORMAL STRAIN PLANE STRAIN SHEAR STRAIN VOLUMETRIC STRAIN BUCKLING -- STRAINS
TENSIOMETERS
-- TRAFFICABILITY TEST INSTRUMENTS
-- TRANSDUCERS COMPRESSION CONCRETE EXTENSIBILITY
-- CREEP PROPERTIES
-- DEFLECTION -- DEFORMATION
-- DISPLACEMENT STRAIN GAGES (CONCRETE) 3
BT MEASURING INSTRUMENTS
STRAIN GAGES
STRAIN MEASURING INSTRUMENTS
NT CARLSON STRAIN METERS
VIBRATING WIRE STRAIN METER
RT CONCRETE DEFORMATION
GLOETZL CELL DISTORTION (STRUCTURAL)
-- EXTENSIBILITY -- FATIGUE (MATERIALS) FORCE FORCE
-- MECHANICAL PROPERTIES
PLASTIC DEFORMATION
RESIDUAL STRESS
-- SHEAR PROPERTIES
-- SHEAR PROPERTIES
-- SHEAR ROPERTIES
-- STRAIN GAGES
STRAIN HARDENING
STRAIN MEASUREMENT
STRAIN MEASUREMENT
STRAIN RATE
STERICTH OF MATERIALS STRAIN HARDENING RT RESIDUAL STRESS STRAIN MEASUREMENT 1 2 3 4 5 BT MEASUREMENT RT--CONSOLIDATION TESTS (SOILS) STREIN ANTE STRENGTH OF MATERIALS STRESS ANALYSIS STRESS FELAXATION STRESS STRAIN CURVES -- STRESS STRAIN RELATIONS STRESS WAVES DEFORMATION GAGES
EXTENSOMETERS
HORIZONTAL MOVEMENT DEVICES
-- MEASURING INSTRUMENTS -- SENSORS SETTLEMENT MEASUREMENT -- STRESSES -- TENSILE PROPERTIES - SHEAR TESTS
- STRAIN GAGES
- STRAIN MEASURING INSTRUMENTS
STRAIN RATE -- TENSION -- TENSION TESTS TORSION -- STRAINS TENSIOMETERS STRAITS 1
BT TOPOGRAPHIC FEATURES
RT--CHANNELS
--WATERWAYS (WATER COURSES) UNCONFINED COMPRESSION TESTS (SOILS) VERTICAL MOVEMENT DEVICES STRAIN MEASURING INSTRUMENTS
BT MEASURING INSTRUMENTS
NT CARLSON STRAIN METERS
EXTENSOMETERS STRAP FOOTINGS 2
use CANTILEVER FOOTINGS 2 3 4 STRAPPED FOOTINGS 2
use CANTILEVER FOOTINGS - STRAIN GAGES
- STRAIN GAGES (CONCRETE)
TENSIOMETERS
VIBRATING WIRE STRAIN METER STRAPPING 3
RT--FASTENERS
--MAINTENANCE
--REINFORCING STEELS
STIRRUPS RT-- CONSOLIDATION (SOILS)
-- DEFORMATION HORIZONTAL MOVEMENT DEVICES LOAD CELLS

ATIGRAPHY (Con.)
SEDIMENTARY STRUCTURES
-- SEDIMENTATION STRATIGRAPHY STRATA RT BEDS (GEOLOGY) LAYERED SOILS STRATA
-- STRATIFICATION
UNCONFORMITIES (GEOLOGY)
WATER PROSPECTING -- SEDIMENTARY ROCKS SOIL LAYERS STRATIFICATION STRATIGRAPHY STREAM AGGRADATION STRATIFICATION 1 2 5 7 TRATIFICATION 1 2 5 7
UP LAYERING
NT SOIL STRATIFICATION (WATER)
RT BORING LOGS
FOLIATION (GEOLOGY)
-- GEOPHYSICAL EXPLORATION
ISOPACH MAPS
LAYERED SYSTEMS use AGGRADATION STREAM BANK PROTECTION USE BANK PROTECTION 1 2 3 STREAM BEDS 1 2 4 6 7 UF BEDS (STREAMS) RIVER BEDS ALLUVIUM BANKS LOGGING SEDIMENTARY STRUCTURES BED LOAD
BED MOVEMENTS
BED RIPPLES
BED ROUGHNESS -- SEDIMENTATION STRATA STRATA
STRATIGRAPHY
STRUCTURAL GEOLOGY
STRUCTURAL TERRACES (GEOLOGY)
WELL LOGS CHANNEL BEDS
--CHANNELS
CRITICAL TRACTIVE FORCE
-- DEGRADATION STRATIFICATION (WATER) 1 7
BT STRATIFICATION
NT CHEMICAL STRATIFICATION
DENSITY STRATIFICATION
THERMAL STRATIFICATION
RT DENSITY FLOW
DEPTH RECORDERS (WATER)
DISSOLVED OXYGEN
EPILIMNION
ESTUARIES DRY BEDS LAKE BEDS MEANDERING STREAMS
-- NAVIGABLE WATERS
OCEAN BOTTOM
SCOUR SCOUR
SEDIMENT ANALYSIS
SEDIMENT SAMPLING
-- SEDIMENTATION
STREAM BOTTOM CONDITIONS
STREAM DEGRADATION
STREAM EROSION ESTUARIES HYPOLIMNION -- LAKES MEROMIXIS STREAMBED PROFILES STREAMFLOW RECORDS MULTILEVEL OUTLETS -- STREAMS -- PROFILES -- TRACTIVE FORCES
-- UNDERWATER EXPLOSIONS RESERVOIR STRATIFICATION RESERVOIRS SEDIMENT CONCENTRATION STRATIFIED FLOW THERMAL GRADIENTS THERMOCLINES STREAM BOTTOM CONDITIONS
UF POTHOLES (STREAMS)
RT STREAM BEDS
--STREAMS STRATIFICATION PLANES use BEDDING PLANES STREAM CHANNELS 1 2 3 4 7 use CHANNELS STRATIFIED FLOW TRATIFIED FLOW

BT FLOW
RT CHEMICAL STRATIFICATION
DENSITY FLOW
DENSITY STRATIFICATION
FLOW PATTERNS
RESERVOIR STRATIFICATION
-- STRATIFICATION (WATER) TREAM CONFLUENCE 1
NOTE: Junction or flowing together
of streams
UF CONFLUENCE (STREAMS)
RT OPEN CHANNEL FLOW STREAM CONFLUENCE -- STREAMS STREAM CONTRACTION 1 use CONTRACTIONS (HYDRAULICS) TRATIGRAPHY 1 2
NOTE: Study of stratified rocks and the interpretation of their significance in geologic history BT GEOLOGY
TO GEOLOGY
-- GEOLOGIC FORMATIONS
GEOLOGIC MAPPING
-- GEOLOGICAL DEPOSITS
-- GEOLOGICAL INVESTIGATIONS
-- GEOPHYSICAL EXPLORATION
HISTORICAL GEOLOGY
HYDROGEOLOGY
HYDROGEOLOGY
ISOPACH MAPS
-- LOGGING STRATIGRAPHY STREAM CROSSINGS 1 5
NOTE: For military application
UF EXITING PERFORMANCE
FORDABILITY
GAP CROSSINGS
RIVER CROSSINGS (FORDING)
VEHICLE CROSSING (STREAMS)
WATER CROSSINGS (STREAMS)
RT APPROACH GEOMETRY
--BRIDGES - BRIDGES
DEPARTURE GEOMETRY
- FIELD TESTS
HYDRAULIC GEOMETRY
HYDROLOGIC GEOMETRY
LAND-WATER INTERFACE -- LOGGING
MARINE GEOLOGY
MINING GEOLOGY
-- PALEONTOLOGY -- RIVERS -- STREAMS -- VEHICLE PERFORMANCE WATER PERFORMANCE PETROLEUM GEOLOGY -- PETROLOGY -- SEDIMENTARY ROCKS

STREAM DEGRADATION BT DEGRADATION STREAM FLOW (Con.)
FLOW PATTERNS
FLUVIAL HYDRAULICS
FRAZIL ICE EROSION AGGRADATION CRITICAL TRACTIVE FORCE -- GAGES HIGH WATER MARK DELTAS DEPOSITION HYDROLOGIC BUDGET HYDROLOGIC EQUATION **EQUILIBRIUM** FLOODS - HYDROLOGY
-- HYDROLOGY
-- LIQUID FLOW AUGMENTATION
OBSTRUCTION TO FLOW
OPEN CHANNEL FLOW
PEAK RUNOFF SCOUR - SEDIMENTATION STREAM BEDS STREAM EROSION - STREAMS -- TRACTIVE FORCE PERENNIAL STREAMS
REGIME THEORY
RETURN FLOW
RIVER BASINS
RIVER CURRENTS
-- ROUTING STREAM DIVERSION 1 2
use RIVER DIVERSION STREAM DRAINAGE PATTERNS FLUVIAL MORPHOLOGY
DRAINAGE DENSITY
DRAINAGE SYSTEMS
GEOMORPHOLOGY -- RUNOFF SOIL EROSION SOIL EROSION
STAGE-DISCHARGE RELATIONS
STREAM EROSION
STREAM GAGES
STREAM GAGING
STREAM GAGING STATIONS
STREAM VELOCITY
STREAMFLOW FORECASTING
STREAMFLOW RECORDS
STREAMFLOW REGULATION
STREAMS HYDROGEOLOGY
-- HYDROLOGY STREAM EROSION
--STREAMS TRIBUTARIES STREAM EROSION 1 2
BT EROSION
RT AGGRADATION
ARMORING (STREAMBEDS)
BANK EROSION
BANK PROTECTION
BED LOAD
CHANNEL EROSION
CHANNEL IMPROVEMENT
CHANNEL STABILIZATION
CRITICAL TRACTIVE FORCE
GULLY EROSION
MEANDERING STREAMS STREAMS SURFACE- GROUNDWATER RELATION-SHIPS SUPERCRITICAL FLOW SYNTHETIC HYDROLOGY TRACTIVE FORCES TRANSIENT FLOW WATER FLOW
-- WATER RIGHTS
-- WATER SUPPLY
-- WATER SURFACE PROFILES MEANDERING STREAMS MEANDERS RAIN AND RAINFALL REGIME THEORY -- WATERSHEDS STREAM FLOW RECORDS 1
use STREAMFLOW RECORDS RIVER CURRENTS RIVER REGULATION STREAM GAGES BT GAGES -- RUNNING WATER - SEDIMENTATION
- SLOPE PROTECTION
SOIL EROSION
STREAM DEGRADATION
STREAM BEDS
STREAM BEDS
STREAM DEALNAGE PATTERNS HYDROLOGIC INSTRUMENTS MEASURING INSTRUMENTS CURRENT METERS MEASURING INSTRUMENTS

RT CURRENT METERS
DISCHARGE MEASUREMENT
- DISCHARGE (WATER)
FLOW RATE
- FLOWMETERS
- GAGING STATIONS
- HYDROGRAPHS
ORIFICE METERS
RIVER CURRENTS
ROTATING METERS
STAFF GAGES
- STREAM FLOW
STREAM GAGING STATIONS
STREAM VELOCITY
STREAMFLOW DEPLETION
STREAMFLOW RECORDS
- VELOCITY METERS (FLUIDS)
VENTURI METERS
- WATER LEVELS
WATER MEASUREMENT
WATER MEASUREMENT
WATER MEASUREMENT
WATER METERS -- STREAM FLOW SUBMERGED SILLS TRACTIVE FORCES TURBIDITY CURRENTS STREAM FLOW 1 7
NOTE: Discharge that occurs in a natural channel
UF RIVER FLOW
STREAMFLOW FLOW FLUID FLOW FLUID FLOW
TLOW HATURAL FLOW
NATURAL FLOW
REGULATED FLOW
TALTERATION OF FLOW
AVERAGE FLOW
BACKWATER PROFILES
- CHANNEL FLOW
- DISCHARGE (WATER)
DIVERSION
FLOOD ESTIMATES
FLOOD FORECASTING
FLOOD FOREQUENCIES
FLOOD ROUTING STREAM GAGING THEAM GAGING 1
UF STREAM MEASUREMENT
RT FLOAT GAGES
FLOAT WELLS
FLOW MEASUREMENT
FLOW RATE
-- HYDROGRAPHS FLOOD FREQUENCIES
FLOOD ROUTING
FLOW AUGMENTATION
FLOW DURATION
FLOW DURATION CURVES -- HYDROMETEOROLOGICAL STATIONS LIQUID LEVEL INDICATORS

STREAM GAGING (Con RIVER CURRENTS STILLING WELLS STREAM VELOCITY (Con.) (Con.) -- STREAMS VELOCITY HEAD -- STREAM FLOW STREAM GAGES VELOCITY MEASUREMENT -- WATER STREAM FLOW DEPLETION
-- SURFACE WATERS
VELOCITY METERS (FLUIDS)
WATER LEVEL INDICATORS
WATER LEVELS
WATER MEASUREMENT WATER PERFORMANCE STREAMBED PROFILES
BT PROFILES
RT BED HIPPLES
DEPOSITION WATER STAGE RECORDERS -- FROSTON STREAM GAGING STATIONS 1
BT GAGING STATIONS
HYDROMETEOROLOGICAL STATIONS STREAM BEDS STREAMFLOW use STREAM FLOW STATIONS RT-- CABLES CURRENT METERS STREAMFLOW DEPLETION 1 RT--DISCHARGE (WATER) DIVERSION DISCHARGE MEASUREMENT FLOAT WELLS FLOW MEASUREMENT FLOWMETERS -- FLOW AUGMENTATION -- HYDRAULICS -- GAGES -- HYDROGRAPHS LIQUID LEVEL INDICATORS OBSTRUCTION TO FLOW STILLING WELLS
STREAM FLOW
STREAM GAGES
STREAMFLOW RECORDS
WATER MEASUREMENT
WATER STAGE RECORDERS -- ROUTING - ROUTING
- RUNOFF
STREAM GAGES
STREAM GAGING
STREAMFLOW FORECASTING
STREAMFLOW REGULATION
SUBJECT BUNDER SURFACE RUNOFF STREAM GEOMETRY 1 5
use HYDRAULIC GEOMETRY STREAMFLOW FORECASTING
BT FORECASTING
RT ANNUAL FLOODS
-- FLOODS STREAM LININGS 1
use CHANNEL LININGS -- HYDROGRAPHS STREAM MEANDERING RIVER FORECASTING
-- ROUTING use MEANDERING STREAMS - RUOTING
- RUNOF
- STREAM FLOW
STREAMFLOW DEPLETION
STREAMFLOW RECORDS
STREAMFLOW REGULATION
STREAMS STREAM MEASUREMENT use STREAM GAGING STREAM POLLUTION 1 7
UF CONTAMINATION OF RIVERS
CONTAMINATION OF STREAMS
RIVER POLLUTION -- STREAMS UNIT HYDROGRAPHS WATER SUPPLY FORECASTING POLLUTION
WATER POLLUTION
DYSTROPHY
EFFLUENT REUSE STREAMFLOW RECORDS CURRENT VELOCITY OBSERVATIONS DISCHARGE RECORDS DISCHARGE RECORDS
RIVER DISCHARGE RECORDS
RIVER STAGES
STAGE AND DISCHARGE RECORDS
STREAM FLOW RECORDS
T CURRENT DIRECTION OBSERVATIONS
FLOAT WELLS
-- HYDROMETEOROLOGICAL STATIONS
HYDROMETEOROLOGY
STREAM BEDS -- EFFLUENTS -- INDUSTRIAL WASTES LIMNOLOGY - POLLUTION CONTROL -- POLLUTION CONTROL
SEWAGE DISPOSAL
-- SEWAGE TREATMENT
THERMAL POLLUTION
-- WASTE DISPOSAL
-- WATER QUALITY STREAM BEDS STREAM FLOW STREAM GAGES STREAM GAGING STATIONS STREAM STABILIZATION 1 2 use CHANNEL STABILIZATION STREAMFLOW FORECASTING STREAM TERRACES use RIVERINE TERRACES STREAMFLOW REGULATION :
RT BACKWATER PROFILES
-- CHECK STRUCTURES
-- FLOODS
FLOW MEASUREMENT
FLOW PROFILES
-- FLOWMETERS STREAM TRAINING 1
use RIVER TRAINING STREAM VELOCITY 1 5
UF CURRENT VELOCITY
BT HYDROLOGIC GEOMETRY FACTORS
TERRAIN FACTORS
VELOCITY
VELOCITY -- GEOMORPHOLOGY -- GEOMORPHOLOGY
INFLOW
OPEN CHANNEL FLOW
REGIMEN
-- STREAM FLOW
STREAMFLOW DEPLETION
STREAMFLOW FORECASTING
WATER CONTROL
WATERSHEPS BED MOVEMENTS
BED RIPPLES
CURRENT METERS
HYDRAULIC GEOMETRY REYNOLDS NUMBER -- STREAM FLOW STREAM GAGES -- WATERSHEDS

STREAMFLOW ROUTING 1 STREETS 2 3 5 RT CULVERTS BT ROUTING RT FLOOD ROUTING CURBS DRIVEWAYS -- HIGHWAYS ON- ROAD MOBILITY STREAMING FLOW use SUBCRITICAL FLOW -- PAVEMENTS PAVING STREAMLINE FLOW use LAMINAR FLOW ROADBEDS -- ROADS -- TUNNELS VIADUCTS STREAMS 1 2 5 7 BROOKS UF CREEKS CHEEAS
RUNNING WATERS
WATERWAYS (WATERCOURSES)
ALLUVIAL STREAMS
BRAIDED STREAMS
EFFLUENT STREAMS
EPHEMERAL STREAMS STRENGTH ANALYSIS 2 3 4 5 use STRENGTH THEORIES STRENGTH EVALUATION (SOILS) 2 5 use SOIL STRENGTH STRENGTH OF MATERIALS RT ALLOWABLE LOADS ANISOTROPY INFLUENT STREAMS
INTERMITTENT STREAMS
MEANDERING STREAMS
PERENNIAL STREAMS 123456 -- BEARING CAPACITY BENDING MOMENTS -- RIVERS
TRIBUTARIES
UNDERGROUND STREAMS
WILD RIVERS -- COMPRESSION
-- COMPRESSIVE STRENGTH
-- CONCRETE STRENGTH
CREEP STRENGTH RT AGGRADATION D-LOADS (RIGID PIPES)
-- DEFORMATION
-- DESIGN
DESIGN DATA
BE EVIDAN COMPANY BACKWATER BANK STORAGE BAYOUS BED LOAD -- FLEXURAL STRENGTH ICE STRENGTH -- CHANNELS DRAINAGE SYSTEMS EARTH HYDROSPHERE ICE STRENGTH
ISOTROPY
-- LOADS (FORCES)
MATERIALS ENGINEERING
-- MECHANICAL PROPERTIES
MOMENT DISTRIBUTION
MOMENTS OF INDERTIA
-- PRESTRESSING
-- ROCK STRENGTH
-- SHEAR STRENGTH
SHEAR STRENGTH
(SOILS)
SNOW STRENGTH
-- SOIL STRENGTH
-- STATICS ESTUARIES ESTUARTES FLOOD PLAINS FLOW PROFILES FLUVIAL MORPHOLOGY FRESH WATER -- GEOMOR PHOLOGY GULLIES HEADWATERS
--HYDRAULIC ENGINEERING
HYDRAULIC GEOMETRY -- HYDRAULICS -- STATICS -- STRAINS HYDROGEOLOGY
HYDROGRAPHIC SURVEYS
HYDROLOGIC DATA
HYDROLOGIC GEOMETRY -- STRENGTH THEORIES STRESS-STRAIN CURVES -- STRESS-STRAIN RELATIONS STRESS-STRAIN RELATIONS (SOILS) ICE JAMS
INFLOW
LAND-WATER INTERFACE
LIMNOLOGY -- STRESSES -- STRUCTURAL ANALYSIS -- TENSILE STRENGTH LOTIC ENVIRONMENT -- TENSION THEORY OF STRUCTURES -- MARSHES NAVIGABLE RIVERS TORSION
ULTIMATE LOADS
ULTIMATE STRENGTH
YIELD STRENGTH POTAMOLOGY RIVER CURRENTS -- SEDIMENT SEDIMENT TRANSPORT SEDIMENT YIELD SEDIMENT TIELD
STORM RUNOFF
STREAM BEDS
STREAM BOTTOM CONDITIONS
STREAM CONFLUENCE
STREAM CROSSINGS
STREAM DEGRADATION TH THEORIES 2 3 4 5
FAILURE CRITERIA
FAILURE THEORIES STRENGTH THEORIES STRENGTH ANALYSIS
NT GRIFFITHS FALLURE THEORY
MOHR-COULOMB THEORY
RT--COMPRESSIVE STRENGTH STREAM DRAINAGE PATTERNS STREAM EROSION -- CONCRETE STRENGTH
-- DESIGN
-- FAILURE (MECHANICS)
-- FLEXURAL STRENGTH -- STREAM FLOW STREAM VELOCITY STREAMFLOW FORECASTING STREAMFLOW RECORDS - FLEXURAL STRENGTH
ICE STRENGTH
PRINCIPAL STRESS
- ROCK STRENGTH
SHEAR STRENGTH (SOILS)
SNOW STRENGTH
SOIL STABILITY
SOIL STABILITY
SOIL STRENGTH
STRENGTH
STRENGTH
STRENGTH
STRENGTH
STRENGTH STREAMFLOW RECORDS
SURFACE-GROUNDWATER RELATIONSHIPS
--SURFACE WATERS
SUSPENDED LOAD
THERMAL WATERS
TRANSITIONS (HYDRAULICS)
UNDERGROUND STREAMS
-- WATER STRENGTH OF MATERIALS TENSILE STRENGTH ULTIMATE STRENGTH YIELD STRENGTH - WATER -- WATER CURRENTS
WATER LEVELS
WATER RESOURCES
-- WATER SUPPLY

STRESS ANALYSIS 1 2 3 4 5 6
RT BENDING MOMENTS
BENDING STRESS
CIVIL ENGINEERING STRESS CORROSION TESTS
SALT SPRAY TESTS
STRESS CORROSION
STRESS CORROSION RESISTANCE CONSTRUCTION WATER STAIN TESTS -- CONSTRUCTION
-- DAM DESIGN
FATIQUE (MATERIALS)
FINITE ELEMENT METHOD
GELATIN MODELS
LOAD DISTRIBUTION
MECHANICAL ENGINEERING
MOMENTS OF INERTIA
PHOTOELASTIC COATINGS
PHOTOELASTIC METHOD
PHOTOELASTIC MODELS
PHOTOELASTIC STRESS CRACKING TESTS 3
use STRESS CORROSION TESTS STRESS DISTRIBUTION 1 2 3 4 5
RT ARCHING IN SOILS
-- CONTACT PRESSURE (VEHICLES)
-- EARTH PRESSURE - EARTH PRESSURE
FATIGUE (MATERIALS)
GELATIN MODELS
GROUND STRESSES
IMPACT STRENOTH
INFLUENCE CHARTS
LOAD DISTRIBUTION
LOADS (FORCES)
PHOTOELASTIC METHOD
PHOTOELASTIC MODELS
PHOTOELASTICITY
PRESSURE DISTRIBUTION
- SOIL STRESSES SOIL STRESSES -- STRAINS STRESS CONCENTRATION STRESS DISTRIBUTION STRESS MEASUREMENT STRESS METERS PRESSURE DISTRIBUTION
-SOIL STRUCTURE INTERACTION
SOIL-TRACK INTERACTION
SOIL-WHELL INTERACTION
STRESS ANALYSIS
-STRESS CIRCLE
STRESS CONCENTRATION
STRESS GAGES (CONCRETE)
STRESS GAGES (SOILS)
-STRESS METERS (CONCRETE)
-STRESSES STRESS STRAIN CURVES
--STRESS STRAIN RELATIONS
STRESS WAVES -- STRESSES --STHESSES UNDER TRACKS
--STRESSES UNDER VEHICLES
STRESSES UNDER WHEELS
STRUCTURAL ANALYSIS
--STRUCTURAL DESIGN
STRUCTURAL ENGINEERING -- STRUCTURAL FORMS X RAY ANALYSIS -- STRESSES
STRESSES UNDER TRACKS
-- STRESSES UNDER VEHICLES
STRESSES UNDER WHEELS STRESS CIRCLE NT MOHR CIRCLE
RT PRINCIPAL PLANES
PRINCIPAL STRESS
STRESS DISTRIBUTION TIRE CONTACT PRESSURE STRESS GAGES (CONCRETE) 3
NOTE: Used for measuring stresses
on the outside of concrete
UF CONCRETE STRESS GAGES
BT MEASURING INSTRUMENTS
RT CONCRETE STRESSES
STRESS DISTRIBUTION
STRESS MEASUREMENT -- STRESSES STRESS CONCENTRATION 1 2 3 4
RT ARCHING IN SOILS
IMPACT STRENGTH
LOAD DISTRIBUTION MECHANICAL PROPERTIES
PHOTOELASTIC METHOD
PHOTOELASTIC MODELS
PHOTOELASTICITY -- STRESS METERS (CONCRETE) STRESS GAGES (SOILS) 2 3 4 9
UF SOIL STRESS GAGES
STRESS METERS (SOILS)
BT MEASURING INSTRUMENTS
RT DYNAMIC STRESS MEASUREMENT
EARTH PRESSURE MEASUREMENT
- PRESSURE CELLS (SOILS)
PRESSURE GAGES
- PRESSURE MEASUREMENT
- SOIL STRESSES
STRESS DISTRIBUTION 2 3 4 5 ROCK BURSTS STRESS ANALYSIS STRESS DISTRIBUTION TRESS CORROSION 3 6
UF STRESS CORROSION CRACKING
BT CORROSION
RT--CRACKING (FRACTURING)
GALVANIC CORROSION
STRESS CORROSION RESISTANCE
STRESS CORROSION TESTS STRESS CORROSION -- STRESS DISTRIBUTION
-- STRESS MEASUREMENT
STRESS METERS
-- TRAFFICABILITY TEST INSTRUMENTS
VEHICLE TEST INSTRUMENTS STRESS CORROSION CRACKING 3
use STRESS CORROSION STRESS HISTORY 2
RT NORMALLY CONSOLIDATED SOILS STRESS CORROSION RESISTANCE
BT CORROSION RESISTANCE
RT ACID RESISTANCE
CHEMICAL ATTACK
GALVANIC CORROSION OVERCONSOLIDATED SOIL
OVERCONSOLIDATED SOILS
PRECONSOLIDATION PRESSURE
- SHEAR STRENGTH (SOILS)
SOIL STRESSES
- STRESSES HUMIDITY PASSIVITY STRESS CORROSION STRESS CORROSION TESTS UNCONSOLIDATED SOILS STRESS MEASUREMENT 2 3 4 5
UF DETERMINATION OF STRESS
NT DYNAMIC STRESS MEASUREMENT
STATIC STRESS MEASUREMENT
TEARTH PRESSURE MEASUREMENT
-- PRESSURE MEASUREMENT
-- SOIL STRESSES
STRESS ANALYSIS
STRESS GAGES (SOILS) STRESS CORROSION TESTS 3

UF STRESS CHACKING TESTS

BT CORROSION TESTS

RT ACCELERATED TESTS

ACID RESISTANCE TESTS

GALVANIC CORROSION TESTS

IMMERSION TESTS (CORROSION)

STRESS- STRAIN CURVES STRESS MEASUREMENT (Con.) (Con.) STRESS METERS
-- STRESS METERS (CONCRETE) COMPRESSIVE STRESS CONSTRAINED MODULUS COMPRESSIVE STRESS
CONSTRAINED MODULUS
CREEP TESTS
- DEFORMATION
ELASTIC DEFORMATION
HYDROSTATIC COMPRESSION TESTS
LARGE SCALE COMPRESSION TESTS
LARGE SCALE SHEAR TESTS
- LOAD TESTS (FOUNDATIONS)
-- MECHANICAL PROPERTIES
- MODULUS OF DEFORMATION
-- MODULUS OF DEFORMATION
-- MODULUS OF ELASTICITY
-- PILE LOAD TESTS
-- PLATE BEARING TESTS
-- PLATE BEARING TESTS
-- PLATE BEARING TESTS
Q TESTS (SOILS)
S TESTS (SOILS)
S TESTS (SOILS)
S TESTS (SOILS)
SHEAR MODULUS
-- SHEAR TESTS
-- SOIL PENETRATION TESTS
STRAIN RATE
-- STRAINS
STRENTH OF MATERIALS
STRENGS ANALYSIS STRESS (MECHANICS) 1 2 3 4 5 6 use STRESSES TRESS METERS 3 4
BT MEASURING INSTRUMENTS
NT CARLSON STRESS METERS
--STRESS METERS (CONCRETE)
RT DYNAMIC STRESS MEASUREMENT
STATIC STRESS MEASUREMENT
STRESS ANALYSIS
STRESS GAGES (SOILS)
--STRESS MEASUREMENT
--STRESSES STRESS METERS -- STRESSES STRESS METERS (CONCRETE) 3 NOTE: Used for measuring stresses within concrete, and may include within concrete, and may in housing unit

CONCRETE PRESSURE CELLS
CONCRETE STRESS METERS
PRESSURE CELLS (CONCRETE)
PRESSURE TRANSDUCERS
MEASURING INSTRUMENTS
STRESS METERS STRENGTH OF MATERIALS STRESS ANALYSIS STRESS-STRAIN RELATIONS STRESSES -- SIRESSES
-- TENSILE STRENGTH
-- TENSION TESTS
-- TORSION SHEAR TESTS
-- TORSION SHEAR TESTS
UNCONFINED COMPRESSION TESTS
(SOILS)
VIETD BOILST CARLSON STRESS METERS CONCRETE STRESSES GLOETZL CELL
STRESS DISTRIBUTION
STRESS GAGES (CONCRETE)
STRESS MEASUREMENT YIELD POINT STRESS METERS (SOILS) 2 3 4 5 use STRESS GAGES (SOILS) STRESS-STRAIN DIAGRAMS 1 2 3 4 use STRESS-STRAIN CURVES STRESS RELAXATION 2 3
NOTE: Transient stress-strain
condition in which the stress
decays as the strain remains
constant STRESS-STRAIN RELATIONS 1 2 BT MECHANICAL PROPERTIES NT STRESS-STRAIN RELATIONS 123456 (CONCRETE) CONSCIENT

BT MECHANICAL PROPERTIES

RT-CREEP

-CREEP PROPERTIES STRESS-STRAIN RELATIONS (ROCK) STRESS-STRAIN RELATIONS (SOILS) BULK MODULUS
COEFFICIENT OF COMPRESSIBILITY
COEFFICIENT OF VOLUME COMPRESS-DUCTILITY
FATIGUE (MATERIALS)
PLASTIC DEFORMATION
PLASTICITY IBILITY TBILLTY
COMPRESSION INDEX
--COMPRESSIVE PROPERTIES
COMPRESSIVE STRESS
--CONSTITUTIVE EQUATIONS
CONSTITUTIVE MODELS
CONSTRAINED MODULUS RESIDUAL STRESS
-- SHEAR PROPERTIES -- STRAINS STRESS RELAXATION TESTS -- STRESSES -- TENSILE PROPERTIES -- CREEP TESTS -- DEFORMATION VISCOELASTICITY ELASTIC DEFORMATION FATIGUE (MATERIALS) HOOKES LAW HYSTERESIS STRESS RELAXATION TESTS
UF RELAXATION TESTS
BT STATIC TESTS
RT--COMPRESSION TESTS HYSTERESIS
HYSTERETIC MEDIA
LOAD TESTS (PAVEMENTS)
-- MODULUS OF DEPORMATION
-- MODULUS OF ELASTICITY
POISSON RATIO
-- RHEOLOGICAL MODELS
ROCK STRESSES
SHEAR MODULUS
-- SHEAR PROPERTIES
-- SHEAR TESTS
-- STRAINS CONCRETE CREEP TESTS - CREEP TESTS FATIOUS TESTS
HIGH TEMPERATURE TESTS
LOW TEMPERATURE TESTS
PLASTICITY TESTS
RADIATION TESTS
STRESS RELAXATION -- TENSION TESTS -- STRAINS STRENGTH OF MATERIALS STRESS ANALYSIS STRESS STRAIN CURVES STRESS-STRAIN CURVES 1 2 3 4
UF LOAD SETTLEMENT CURVES
STRESS-STRAIN DIAGRAMS
RT AXIAL STRAIN
AXIAL STRESS
BOREHOLE EXPANSION TESTS -- STRESSES -- TENSILE PROPERTIES STRESS-STRAIN RELATIONS (CONCRETE)
BT MECHANICAL PROPERTIES
STRESS-STRAIN RELATIONS BULK MODULUS COEFFICIENT OF SUBGRADE RE-ACTION COMPRESSION TESTS

-- COMPRESSIVE PROPERTIES

STRESS-STRAIN RELATIONS
(CONCRETE) (Con.)
RT CONCRETE DEFORMATION
CONCRETE STRESSES STRESS-STRAIN RELATIONS (ROCK)
BT MECHANICAL PROPERTIES
STRESS-STRAIN RELATIONS
RT BOREHOLE EXPANSION TESTS
- JACKING TESTS
PRESSURE CHAMBER TESTS
RADIAL JACKING TESTS
- ROCK DEPORMATION
ROCK STRESSES

STRESS-STRAIN RELATIONS (SOILS) 2
UF SOIL STRESS-STRAIN RELATIONS
BT MECHANICAL PROPERTIES
STRESS-STRAIN RELATIONS
RT BOREHOLE EXPANSION TESTS
COEFFICIENT OF SUBGRADE
REACTION
DESCRIBE CHAMBER TESTS

REACTION
PRESSURE CHAMBER TESTS
PRESSURE SINKAGE RELATIONS
- SOIL DEFORMATION
- SOIL PROPERTIES
- SOIL STRESSES
SOIL-STRUCTURE INTERACTION
SOIL-TRACK INTERACTION
SOIL-WHEICLE INTERACTION
SOIL-WHEICLE INTERACTION
STRENGTH OF MATERIALS
STRESSES UNDER TRACKS
- STRESSES UNDER WHEELS

STRESS WAVES 2 3 BT ELASTIC WAVES WAVES
WAVES
RT SHEAR WAVES
-- SHOCK WAVES
-- STRAINS
STRESS ANALYSIS
-- STRESSES

TRESSES 1 2 3 4 5 6

UP STRESS (MECHANICS)

NT AXIAL STRESS
BEARING STRESS
BEARING STRESS
BENDING STRESS
BIAXIAL STRESSES
BOND STRESS
CIRCUMPERENTIAL STRESS
COMBINED STRESS
COMPRESSIVE STRESS
CONCRETE STRESSES
DEVIATOR STRESS
EFFECTIVE STRESS
EXTERNAL STRESSES STRESSES EXTERNAL STRESSES HYDROSTATIC STRESS INITIAL STRESS NEUTRAL STRESS NORMAL STRESS
OCTAHEDRAL STRESS
PLANE STRESS
PRINCIPAL STRESS RADIAL STRESS RESIDUAL STRESS ROCK STRESSES SHEAR STRESS SOIL STRESSES SOIL STRESSES
STRESSES UNDER TRACKS
STRESSES UNDER VEHICLES
STRESSES UNDER WHEELS
TENSILE STRESS
THEMMAL STRESSS
TOTAL STRESS
TRANSIENT STRESS
TRIAXIAL STRESS
I--COMPRESSIVE PROPERTIES
--CONTACT PRESSURE (VEHICLES)
--CREEP PROPERTIES
EARTH PRESSURE

ES (Con.) FATIGUE (MATERIALS) HYSTERESIS STRESSES

-- IMPACT -- IMPACT TESTS

LOAD DISTRIBUTION
-LOADS (FORCES)
-- MECHANICAL PROPERTIES
NON-NEWTONIAN FLOW PORE PRESSURE
-- PRESSURE

-- PHESSURE- SINKAGE RELATIONS
-- PRESTRESSING
SHEAR PROPERTIES
SHOCK MECHANICS
CEPAIN

STRAINS STRENGTH OF MATERIALS

STRESS ANALYSIS
--STRESS CIRCLE
STRESS CONCENTRATION
STRESS DISTRIBUTION
STRESS HISTORY
--STRESS MEASUREMENT

STRESS METERS STRESS RELAXATION STRESS STRAIN CURVES
-- STRESS STRAIN RELATIONS
STRESS WAVES
STRUCTURAL MODELS

-- TENSILE PROPERTIES
-- TENSION

-- TENSION TESTS

STRESSES IN PILES use PILE STRESSES

STRESSES UNDER TIRES 5
use STRESSES UNDER WHEELS

STRESSES UNDER TRACKS SOIL STRESSES STRESSES STRESSES
STRESSES UNDER VEHICLES
RT--CONTACT PRESSURE (VEHICLES)
LOAD DISTRIBUTION
--LOADS (FORCES)
SOIL-TRACK INTERACTION
STRESS ANALYSIS
STRESS DISTRIBUTION (SOILS)
STRESS-STRAIN RELATIONS (SOILS)
--VEHICLE TESTS

STRESSES UNDER VEHICLES 5 BT SOIL STRESSES STRESSES. NT STRESSES UNDER TRACKS STRESSES UNDER WHEELS RT--CONTACT PRESSURE (VEHICLES)

I--CONTACT PRESSURE (VEHICLES)
LOAD DISTRIBUTION
--LOADS (FORCES)
--SOIL-VEHICLE INTERACTION
STRESS ANALYSIS
STRESS DISTRIBUTION
STRESS-STRAIN RELATIONS (SOILS)
--VEHICLE TESTS

STRESSES UNDER WHEELS 5
UF STRESSES UNDER TIRES
BT SOIL STRESSES
STRESSES
STRESSES
STRESSES UNDER VEHICLES
RT-CONTACT PRESSURE (VEHICLES)
EQUIVALENT SINGLE WHEEL LOAD
LOAD DISTRIBUTION
-LOADS (FORCES)
SOIL-WHEEL INTERACTIONS
STRESS ANALYSIS
STRESS DISTRIBUTION
STRESS-STRAIN RELATIONS (SOILS)
TIRE CONTACT PRESSURE
--VEHICLE TESTS

-- VEHICLE TESTS

use JOISTS 4 STRINGERS

STRUCTURAL ANALYSIS (Con.)
STRENOTH OF MATERIALS
STRESS ANALYSIS
STRUCTURAL BEHAVIOR
-- STRUCTURAL DESIGN
STRUCTURAL ENGINEERING
-- STRUCTURAL FORMS
-- STRUCTURAL MEMBERS
-- STRUCTURAL MODELS
THEORY OF STRUCTURES
WORKING STRESS METHOD STRIP FOOTINGS 2 3
use COMBINED FOOTINGS STRIP MINE LAKES 1 7 RT-LAKES STRIP MINING STRIP MINING 4 7
NOTE: Mining of coal by surface
mining methods as distinguished
from the mining of metalliferous
ores by surface mining methods
which is commonly designated as
open-pit mining
BT MINING STRUCTURAL BEHAVIOR 2 3 4 5 6
RT-- DEFLECTION
-- DEFORMATION
DISTORTION (STRUCTURAL)
-- SHEAR CRACKS
-- STRUCTURAL ANALYSIS
-- STRUCTURAL DESIGN
STRUCTURAL ENGINEERING
-- STRUCTURAL MODELS
TENSION CRACKS SURFACE MINING RT COAL MINING OPEN PIT MINING SPOIL STRIP MINE LAKES TENSION CRACKS STRIPPING TITE: Operation of removing top-soil from the site of a struc-ture such as a dam or embankment SITE PREPARATION (CONSTRUCTION) TORSION STRUCTURAL BOLTS 3
BT BOLTS
FASTENERS
RT HIGH STRENGTH BOLTS RT BULLDOZERS CLEARING EARTHWORK - EXCAVATION -- STRUCTURAL MEMBERS STRUCTURAL CLAY PRODUCTS 3
UF CLAY PRODUCTS (STRUCTURAL)
NT--BRICKS -- EXCAVATORS GRADERS SCRAPERS CERAMIC TILES STRIPPING (AGGREGATES) 3 5 NOTE: Separation of the asphalt film from the surface of the aggregate RT AGGREGATE TESTS FIREBRICK -- MASONRY STRUCTURAL DESIGN 1 2 3 4 6 BT DESIGN 1 2

BT DESIGN
MT ARCH DAM DESIGN
CONCRETE DAM DESIGN
-- DAM DESIGN -- AGGREGATES STRUCTURAL ADHESIVES 2 5
BT ADHESIVES
RT CONSTRUCTION JOINTS
HONEYCOMB STRUCTURES
LANDING MAT CONSTRUCTION ELASTIC DESIGN GRAVITY DAM DESIGN LIMIT DESIGN METAL ADHESIVES PLASTIC ADHESIVES SANDWICH STRUCTURES PLASTIC DESIGN ARCHITECTURE BEAMS ON ELASTIC FOUNDATIONS BEAMS (SUPPORTS) BUILDING CODES STRUCTURAL ANALYSIS 1 2 3 4 5 6

UF FRAME ANALYSIS

STABILITY ANALYSIS (STRUCTURAL)

NT--COMPATIBILITY METHODS

COMPLEMENTARY ENERGY METHODS

--DEFORMATION METHODS

DYNAMIC STRUCTURAL ANALYSIS

ELASTIC ANALYSIS

--ENERGY METHODS

--EQUILIDERIUM METHODS CANAL DESIGN
--CIVIL ENGINEERING
--COLUMNS (SUPPORTS)
DESIGN CRITERIA DESIGN DATA
DESIGN PRACTICES
EARTHQUAKE RESISTANT STRUCTURES
EXTERNAL FORCES
POUNDATION DESIGN
LOAD DISTRIBUTION
LOAD DISTRIBUTION
LOADS (FORCES)
MAT FOUNDATION DESIGN -- ENERGY METHODS
-- EQUILIBRIUM METHODS
-- FLEXIBILITY METHODS
-- PLEXIBILITY METHODS
-- PLASTIC ANALYSIS
STABILITY METHODS
STABILITY METHODS
STATIC STRUCTURAL ANALYSIS
-- STIFFNESS METHODS
STRAIN ENERGY METHODS
ULTIMATE STRENOTH METHOD
UNIT DISPLACEMENT METHOD
UNIT LOAD METHOD
YIELD LINE METHOD
T CIVIL ENGINEERING
-- CONSTRUCTION
-- DEFLECTION MOMENT DISTRIBUTION - PILES -- PLASTIC ANALYSIS PLASTIC DESIGN PLASTIC DESIGN
SAFETY PACTOR
- SHELLS (STRUCTURAL FORMS)
SPECIFICATIONS
- STRESS AMALYSIS
- STRUCTURAL AMALYSIS
STRUCTURAL BEHAVIOR
STRUCTURAL EMGINEERING
- STRUCTURAL PORMS
- STRUCTURAL MODELS
- STRUCTURAL MEMBERS
- STRUCTURAL MEMBERS
- STRUCTURAL STABILITY
- STRUCTURAL STEELS
THEORY OF STRUCTURES
TOWER POUNDATIONS --CONSTRUCTION
--DEFLECTION
DISTORTION (STRUCTURAL)
LOAD DISTRIBUTION
--LOADS (FORCES)
MATRIX ANALYSIS
MEMBRANE THEORY (SHELLS)
STATICALLY DETERMINATE STRUCTURES
STATICALLY INDETERMINATE STRUCTURES

```
STRUCTURAL DISTORTION 2 3 use DISTORTION (STRUCTURAL)
                                                                                                                                                                   STRUCTURAL GEOLOGY
                                                                                                                                                                                                                              (Con.)
                                                                                        4
                                                                                                                                                                                    STRUCTURAL PETROLOGY
TECTONIC MAPS
 STRUCTURAL DYNAMICS 3 4
use DYNAMIC STRUCTURAL ANALYSIS
                                                                                                                                                                                     THRUSTS AND THRUSTING (GEOLOGY)
 STRUCTURAL ENGINEERING 2
RT AEROSPACE ENGINEERING
-- BRIDGES
                                                                                                                                                                   STRUCTURAL JOINTS
                                                                                  3 4 6
                                                                                                                                                                         use CONSTRUCTION JOINTS
            -- BRIDGES
-- CIVIL ENGINEERING
-- CONSTRUCTION
CONSTRUCTION METHODS
                                                                                                                                                                   STRUCTURAL LIGHTWEIGHT CONCRETES 2 3
use LIGHTWEIGHT CONCRETES
                                                                                                                                                                   STRUCTURAL LOADING 1 2 3 4 5 6 use LOADS (FORCES)
            - DESIGN
EARTHQUAKE RESISTANT STRUCTURES
- MARINE STRUCTURES
- OFFSHORE STRUCTURES
                                                                                                                                                                   STRUCTURAL MAPS
                                                                                                                                                                        NOTE: Maps covering small areas
on which are shown areas or
lines of major structural fea-
tures produced by uplift, down-
warp, or faulting
BT MAPS
RT--GEOLOGIC STRUCTURES
             - OFFSHORE STRUCTURES
SETTLEMENT
STRESS ANALYSIS
- STRUCTURAL ANALYSIS
STRUCTURAL BEHAVIOR
- STRUCTURAL DESIGN
- STRUCTURAL FORMS
- STRUCTURAL MEMBERS
- STRUCTURAL MODELS
THEORY OF STRUCTURES
- UNDERWATER STRUCTURES
                                                                                                                                                                                    STRUCTURAL GEOLOGY
TECTONIC MAPS
                                                                                                                                                                   STRUCTURAL MEMBERS 2 3 4 6
NT BEAMS ON ELASTIC FOUNDATIONS
-- BEAMS (SUPPORTS)
  STRUCTURAL FAILURE 1 2 use FAILURE (MECHANICS)
                                                                         2 3 4 5 6
                                                                                                                                                                               BOX BEAMS
-- BRACINGS
                                                                                                                                                                              CANTILEVER BEAMS
CHANNEL BEAMS
--COLUMNS (SUPPORTS)
--CONCRETE BEAMS
   STRUCTURAL FORMS 2 3 4 6
NOTE: Excludes form work for
         concrete
NT-- ARCHES
             -- ARCHES
BARREL SHELLS
CONCRETE FOLDED PLATES
CYLINDRICAL SHELLS
-- DOMES (STRUCTURAL FORMS)
ELASTIC SHELLS
-- FOLDED PLATES
-- FRAMED STRUCTURES
                                                                                                                                                                                    CONTINUOUS BEAMS
CURVED BEAMS
DEEP BEAMS
EDGE BEAMS
                                                                                                                                                                               -- GIRDERS
GRADE BEAMS
                                                                                                                                                                                      H- BEAMS
I- BEAMS
                                                                                                                                                                                    JOISTS
L- BEAMS
NEEDLE BEAMS
PILES
                     HYPERBOLIC PARABOLIC SHELLS
                  HYPERBOLIC PARABOLIC SHEL
RIGID FRAMES
- SHELLS (STRUCTURAL FORMS)
STEEL ARCHES
SUSPENDED STRUCTURES
                                                                                                                                                                                    PILES
PLATE GIRDERS
PLATES (STRUCTURAL MEMBERS)
PRECAST CONCRETE BEAMS
PRECAST CONCRETE COLUMNS
PRECAST CONCRETE PANELS
PRECAST CONCRETE PANELS
PRECAST CONCRETE SLABS
PRESTRESSED CONCRETE BEAMS
PRESTRESSED CONCRETE BRIDGES
PRESTRESSED CONCRETE COLUMNS
PRESTRESSED CONCRETE PANELS
PRESTRESSED CONCRETE SLABS
RECTANGULAR BEAMS
SLABS
              SUSPENDED STRUCTURES
TRUSSES
T ARCHITECTURE
--CIVIL ENGINEERING
--CONCRETE STRUCTURES
--CONCRETES
               -- CONSTRUCTION
              - CONSTRUCTION
- GIRDERS
STEEL STRUCTURES
STRESS ANALYSIS
- STRUCTURAL ANALYSIS
- STRUCTURAL DESIGN
STRUCTURAL ENGINEERING
- STRUCTURAL MEMBERS
                                                                                                                                                                               -- ST.ARS
                                                                                                                                                                                    SOLDIER BEAMS
    STRUCTURAL GEOLOGY 2
NOTE: Study of the form, arrange-
ment, and internal structure of
                                                                                                                                                                                     STRUTS
                                                                                                                                                                                     STUDS
               ment, and internal
the rocks
GEOTECTONIC GEOLOGY
GEOLOGY
DIKES (GEOLOGY)
DISCONTINUITIES (STRUCTURAL
                                                                                                                                                                                    T- BEAMS
TIE BEAMS
                                                                                                                                                                                     TRUSSES
                                                                                                                                                                        WALES (CONSTRUCTION)
RT--ARCHES
              DISCONTINUITIES (STR
GEOLOGY)
FISSURES
GEOLOGIC MAPPING
--GEOLOGIC MAPS
OROGENY
PETROFABRICS
--PETROLOGY
--PHYSICAL GEOLOGY
SEDIMENT
SEDIMENTARY STRUCTURE
                                                                                                                                                                             -- CONCRETE PILES
-- CONSTRUCTION
-- DOMES (STRUCTURAL FORMS)
-- FASTENERS
                                                                                                                                                                            -- FASTENERS
-- FOOTINGS
-- FOUNDATIONS
-- JOINTS (JUNCTIONS)
-- MASONRY
-- PIERS (SUPPORTS)
PREFABBICATION
-- DEPETBESSING
                                                                                                                                                                             -- PRESTRESSING
-- SHELLS (STRUCTURAL PORMS)
-- STRUCTURAL ANALYSIS
                     SEDIMENTARY STRUCTURES
STRATIFICATION
                     STRUCTURAL MAPS
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STRUCTURAL MEMBERS (Con.)
STRUCTURAL BOLTS
--STRUCTURAL DESIGN
STRUCTURAL ENGINEERING
--STRUCTURAL FORMS
STRUCTURAL STEELS
                                                                                                                                     STRUCTURES
                                                                                                                                                                     (Con.
                                                                                                                                                    COMPOSITE CONSTRUCTION
CONCRETE CONSTRUCTION
CONCRETE STRUCTURES
                                                                                                                                                     CONDUITS
                                                                                                                                                     CONSTRUCTION
CONTROL STRUCTURES
          -- WET.DING
                                                                                                                                                     CULVERTS
STRUCTURAL MODELS 1 2 3 4 5 6
BT MODELS
NT ENVIRONMENTAL MODELS
MACH MODELS
                                                                                                                                                     DAMS
                                                                                                                                                    DAMS
DESIGN STANDARDS
DIKES (EMBANKMENTS)
DIVERSION WORKS
DRAINAGE BLANKETS
DRAINAGE STRUCTURES
             - DESIGN
               EARTHQUAKE SIMULATION MODELS
PHOTOELASTIC MODELS
SIMILITUDE
                                                                                                                                                     DRAINS
EARTHQUAKE RESISTANT STRUC-
           -- STRESSES
          -- STRESSES
-- STRUCTURAL ANALYSIS
-- STRUCTURAL BEHAVIOR
-- STRUCTURAL DESIGN
-- STRUCTURAL ENGINEERING
-- STRUCTURAL STABILITY
TABLE MODELS
                                                                                                                                                     EFFECT OF STRUCTURES ON WATER
                                                                                                                                                    WAVES
EMBANKMENTS
                                                                                                                                                     EMPERIADIENT DRAINAGE STRUCTURES
FALLOUT SHELTERS
FLOOD GATES
FLOODWAYS
STRUCTURAL PETROLOGY 2 3
BT GEOLOGY
                                                                                                                                                     FOOTINGS
                                                                                                                                                     FOUNDATIONS
                PETROLOGY
PHYSICAL GEOLOGY
                                                                                                                                                     HARBOR STRUCTURES
HARDENED INSTALLATIONS
                                                                                                                                                     HIGHWAY BRIDGES
HIGHWAY EMBANKMENTS
HIGHWAY STRUCTURES
               PETROFABRICS
STRUCTURAL GEOLOGY
 STRUCTURAL STEELS 2 3 4
                                                                                                                                                     HI GHWAYS
             STEELS
                                                                                                                                                     HONEYCOMB STRUCTURES
HYDRAULIC STRUCTURES
         T ALLOYS
HIGH STRENGTH STEELS
PRESTRESSING STEELS
- REIMPORCING STEELS
STEEL ARCHES
STEEL BARS
STEEL BEAMS
STEEL STRUCTURES
- STRUCTURAL MEMBERS
                                                                                                                                                     INTAKE STRUCTURES
IRRIGATION STRUCTURES
                                                                                                                                                     LANDING MATS
                                                                                                                                                     LEVEES
                                                                                                                                                    LININGS
LOCKS (WATERWAYS)
MARINE STRUCTURES
MATTRESSES
                                                                                                                                                     MICROSTRUCTURE
MILITARY STRUCTURES
STRUCTURAL STABILITY 1
BT STABILITY
NT DAM STABILITY
RT--DEFLECTION
                                                                                                                                                     MODELS
MODULAR STRUCTURES
                                                                                                                                                     MOUNDED STRUCTURES
OFFSHORE STRUCTURES
         I- DEFLECTION

- DEFORMATION
DYNAMIC STABILITY
EARTHQUAKE RESISTANT STRUCTURES
- FOUNDATIONS
- LOADS (FORCES)
SAFETY FACTOR
SLOPE STABILITY
STRUCTURAL DESIGN
STRUCTURAL MODELS
                                                                                                                                                     OUTLET WORKS
PAVEMENTS
                                                                                                                                                     PIERS (DOCKS)
PIPELINES
                                                                                                                                                     POWER PLANTS
PROTECTIVE STRUCTURES
                                                                                                                                                     PUMPING STATIONS
RESERVOIRS
                                                                                                                                                     REVETMENT
                                                                                                                                                   REVETMENT
RIPRAP
RIVER CLOSURES
ROADS
SANDWICH STRUCTURES
STRUCTURAL TERRACES (GEOLOGY)
NOTE: Local flattening in an
otherwise uniformly tilted
series of strata
BT TERRACES
RT--STRATIFICATION
                                                                                                                                                     SEWERS
                                                                                                                                                    SHEET PILING
                                                                                                                                                     SHELTERS
                                                                                                                                                    SHORE STRUCTURES
STRUCTURES 1 2 3 5 6
NOTE: Use of a more specific
term is recommended; consult
the terms listed below
                                                                                                                                                    SPILLWAYS
STATICALLY DETERMINATE STRUC-
                                                                                                                                                  TURES
STATICALLY INDETERMINATE
STRUCTURES
STEEL STRUCTURES
STORAGE TANKS
STRESS ANALYSIS
STRUCTURAL ANALYSIS
STRUCTURAL DESIGN
STRUCTURAL ENGINEERING
STRUCTURAL FORMS
STRUCTURAL MEMBERS
STRUCTURAL MEMBERS
STRUCTURAL MODELS
TANKS (CONTAINERS)
                                                                                                                                                        TURES
              ABUTMENTS
              AQUEDUCTS
              ARCHITECTURE
BLAST RESISTANT STRUCTURES
              BREAKWATERS
              BRIDGES
              BUILDINGS
BULKHEADS
             BULKHEADS
CANALS
CAST- IN- PLACE STRUCTURES
CELLULAR STRUCTURES
CIVIL ENGINEERING
CENTURINEERING
                                                                                                                                                   TANKS (CONTAINERS)
THEORY OF STRUCTURES
THERMAL RESISTANT STRUCTURES
             COASTAL STRUCTURES
COFFERDAMS
                                                                                                                                                   TOWERS
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STRUCTURES TURES (Con.)
UNDERGROUND STRUCTURES
UNDERWATER STRUCTURES WHARVES STRUCTURES' EFFECT ON WATER WAVES
use EFFECT OF STRUCTURES ON
WATER WAVES RUTS 2 NOTE: Compression members for carrying the reactions from one side to the other side of STRUTS an excavation UF PROPS BT BRACINGS STRUCTURAL MEMBERS SOLDIER BEAMS WALES (CONSTRUCTION) STUCCO 3
RT--ARCHITECTURAL CONCRETES
--CEMENTS
GYPSUM CEMENTS
LIME CEMENTS
MORTARS (MATERIAL)
PLASTER PLASTER
-- PORTLAND CEMENTS PUMPED CONCRETE STUDS 3
BT STRUCTURAL MEMBERS
RT ANCHORS (FASTENERS) -- PASTENERS POWDER ACTUATED FASTENERS SUBARCTIC REGIONS BT ENVIRONMENTS REGIONS ANTARCTIC REGIONS ARCTIC REGIONS CLIMATIC ANALOGS CLIMATOLOGY
CLIMATOLOGY
COLD WEATHER CONSTRUCTION
COLD WEATHER OPERATIONS
CRYOLOGY GEOGRAPHY GLACIATION GLACIERS -- ICE PERIGLACIAL PHENOMENA PERMAFROST PERMAFROST REGIONS SNOW SNOW ROADS TUNDRA SUBBASE COURSES 2 3 5 use SUBBASES SUBBASES 2 3 5 NOTE: Layer used in a pavement system between the subgrade and base course, or between the subgrade and portland cement-concrete pavement SUBBASE COURSES BASE COURSES
CEMENT SOIL STABILIZATION
LIME SOIL STABILIZATION
-- PAVEMENT DESIGN -- PAVEMENTS
PAVING
SCREENINGS
SOIL CEMENT

SOIL LIME SUBGRADES SUBCLIMAX 7
NOTE: Stage in a community's development before its final stage; a community simulating climax because of its further development being inhibited by some disturbing factor
BT CLIMAX ECOSYSTEMS ECOSYSTEMS SUCCESSION SUBCONTRACTS use CONTRACTS SUBCRITICAL FLOW 1 UF SHOOTING FLOW STREAMING FLOW TRANQUIL FLOW TRANQUIL FLOW
BT CRITICAL FLOW
FLOW
FLUID FLOW
TO THE TRANSPORT

TO GAS FLOW
LAMINAR FLOW
-- LIQUID FLOW
-- MULTIPHASE FLOW
OHIFICE FLOW
SINGLE PHASE FLOW
STEAM FLOW
STEAM FLOW STEAM FLOW SUPERCRITICAL FLOW TRANSIENT FLOW
TURBULENT FLOW
UNIFORM FLOW
-- UNSTEADY FLOW SUBDRAINAGE 1 2 5 use SUBSURFACE DRAINAGE SUBDRAINS 1 2 5 UF SUBSURFACE DRAINS UNDERDRAINS DRAINAGE STRUCTURES DRAINS COUNTERFORT DRAINS MOLE DRAINS TILE DRAINS TRENCH DRAINS DEWATERING DRAIN SPACING DRAIN TILES - DRAINAGE DRAINAGE SPACING HORIZONTAL DRAINS MANHOLES SAND DRAINS STORM SEWERS SUBSURFACE DRAINAGE TOE DRAINS VERTICAL DRAINS SUBGRADE FAILURES 2 5 T FAILURES
T BASE FAILURES
FROST ACTION
-- PAVEMENT FAILURES SUBGRADES SUBGRADE REACTION 2 5
use COEFFICIENT OF SUBGRADE SUBGRADE REACTION COEFFICIENT USE COEFFICIENT OF SUBGRADE REACTION 2 5 ADES 2 3 5 BASE COURSES CALIFORNIA BEARING RATIO COEFFICIENT OF SUBGRADE REAC-SUBGRADES

TION

SUBGRADES (Con.)
-- FOUNDATIONS
LANDING MAT CONSTRUCTION
MEMBRANE CONSTRUCTION
-- PAVEMENT DESIGN SUBMERGED DAMS SUBMERGED DENSITY 2
UP BUOYANT UNIT WEIGHT
BT DENSITY (MASS/VOLUME) -- PAVEMENTS PAVING ROADBEDS SUBMERGED FLOW 1
BT FLOW
RT JET DIFFUSION
SUBMERGED ORIFICES
SUBMERGED SPILLWAYS
SUBMERGED WEIRS -- RUBBER TIRED ROLLERS SUBBASES SUBGRADE FAILURES SURFACE AND CONTROL SAMPLING SURFACE SAMPLERS (SOILS) SUBSURFACE FLOW SUBHUMID REGIONS 2 6 SUBMERGED ORIFICES 1
BT ORIFICES
RT FLOW MEASUREMENT
-- NOZZLES BT REGIONS RT CLIMATOLOGY GEOGRAPHY SEMIARID REGIONS ORIFICE FLOW ORIFICE METERS SUBMERGED FLOW SUBTRRIGATION UBIRRIGATION 1 use SUBSURFACE IRRIGATION SUBMERGED SILLS 1
NOTE: May be used for control of erosion of bottom, increase of hydraulic losses, or other pur-SUBJECT INDEX TERMS 5 6 TERMINOLOGY hydraulic losses,
poses
UF SILLS (SUBMERGED)
RT END SILLS
-- EROSION CONTROL
HEAD LOSSES
STREAM EROSION SUBLIMATION 1 7 NOTE: Transition of substance directly from solid state to vapor state, or vice versa, without pass-ing through intermediate liquid stage VAPORIZING BT VAPORIZING
RT ABLATION
-- CONDENSATION
DIFFUSION SUBMERGED SPILLWAYS BT SPILLWAYS RT SUBMERGED FLOW -- EVAPORATION PURIFICATION -- SEPARATION SUBMERGED STRUCTURES 1 2
use UNDERWATER STRUCTURES WATER VAPOR SUBMERGED WEIRS SUBMARINE CANYONS 1 2 JEMARINE CANYONS 1 2
BT CANYONS
TOPOGRAPHIC FEATURES
RT COASTAL MORPHOLOGY
CONTINENTAL SHELF
SUBMARINE TOPOGRAPHY
TRENCHES (OCEANIC)
TROUGHS (OCEANIC) BT WEIRS RT BROAD-CRESTED WEIRS CIPOLLETTI WEIRS
DISCHARGE MEASUREMENT
FLOW MEASUREMENT
RECTANGULAR WEIRS SHARP-CRESTED WEIRS SUBMERGED FLOW VEE- NOTCHED WEIRS WEIR CRESTS SUBMARINE GEOLOGY 1 2 3 use MARINE GEOLOGY WEIR PONDS SUBMARINE LAUNCHED MISSILES SUBMERGIBLE GATES 1 BT HYDRAULIC GATES SUBMARINE PHOTOGRAPHY 1 2 use UNDERWATER PHOTOGRAPHY SUBMERSIBLE TURBINE PUMPS 1 2 use DEEP WELL PUMPS SUBMARINE PIPELINES SUBSEISMIC WAVES 2 4 use UNDERWATER PIPELINES SUBMARINE TOPOGRAPHY SUBSIDENCE 1 2 UF LAND SUBSIDENCE BT TOPOGRAPHY
RT CONTINENTAL SHELF
CONTINENTAL SLOPE MINING SUBSIDENCE DEFORMATION BT DEEPS (OCEANIC) GEOMORPHOLOGY EARTH MOVEMENTS
T CHANGES OF LEVEL (GEOLOGY)
COLLAPSIBLE SOILS
-- DAMAGE HYDROGRAPHIC SURVEYS MARINE GEODESY MARINE GEOLOGY DISASTERS
EARTHQUAKES
LANDSLIDES
LIQUEFACTION (SOILS) OCEAN BOTTOM OCEAN ENGINEERING OCEANIC REGIONS OCEANOGF APHY LOESS OCEANS SUBMARING CANYONS TRENCHES (OCEANIC) TROUGHS (OCEANIC) UNDERWATER SURVEYS SUBMARINES NOTE: Excludes deep ocean vehicles

BT SHIPS
RT DEEP OCEAN VEHICLES
--UNDERWATER VEHICLES

QUICKSAND SAFETY -- SETTLEMENT SINKHOLES use SUBDRAINS SUBSURFACE EXPLORATION 1 2 4 NOTE: Refers to determination of depths to subsurface strata and -- SLIDES their sampling EXPLORATION (FIELD) FIELD EXPLORATION SLIDING -- SOIL DEFORMATION TUNNEL CONSTRUCTION SOIL EXPLORATION SUBSURFACE INVESTIGATIONS SUBSURFACE INVESTIGATIONS
BT EXPLORATION
NT ACCESSIBLE EXPLORATION
ACCOUSTIC SURVEYS
DETAILED EXPLORATION
ELECTROMAGNETIC SURVEYS
-- GEOPHYSICAL EXPLORATION
GRAVIMETRIC SURVEYS
MAGNETIC SURVEYS
MESISTIVITY SURVEYS
SEISMIC REPLECTION METHOD
SEISMIC REPLECTION METHOD
-- SEISMIC SURVEYS
VIBRATORY INVESTIGATIONS
WEIGHT DROPPING (SEISMOLOGY)
RT-- BOREHOLE CAMERAS
BOREHOLE TV CAMERAS
BOREHOLES SUBSOIL 2 5
NOTE: Undisturbed strata lying immediately below the topsoil RT FOUNDATION CONDITIONS PARENT MATERIALS (SOILS)
SOIL PROFILES
SOIL STRATIFICATION TOPSOIL SUBSONIC FLOW 1 BT COMPRESSIBLE FLOW FLOW FLUID FLOW RT AERODYNAMICS -- FLUID DYNAMICS
-- GAS FLOW
MACH NUMBER
SUPERSONIC FLOW BOREHOLES -- BORING SUBSONIC WIND TUNNELS BORING LOGS use WIND TUNNELS -- CONE PENETRATION TESTS
-- CONE PENETROMETERS
DAM SITE SELECTION
DAM SITES SUBSTITUTES 6
UF ALTERNATIVES DAM SITES
-DRILLING
EXPLORATORY PITS
EXPLORATORY THENCHES
EXPLORATORY WELLS
-PIELD SOIL PENETHATION TESTS
-FIELD TESTS
POUNDATION DEPTH
POUNDATION INVESTIGATIONS SUBSTRATES NOTE: Bottom material of a water-way; the base substance upon which an organism is growing; a substance undergoing oxidation RT-BENTHONIC ZONE BOTTOM SEDIMENT LITTORAL ZONE - LOGGING -- PITS -- SAMPLING SUBSTRATUM DEPOSITS 2 NT MINERAL DEPOSITS RT--NATURAL RESOURCES - SAMPLING
SEDIMENT SAMPLING
SEISMIC INVESTIGATIONS
SEISMIC REPRACTION
SEISMIC VELOCITY
SHALLOW EXPLORATION
- SITE SELECTION SUBSURFACE DRAINAGE 1 2 3 5 UF SUBDRAINAGE UNDERGROUND DRAINAGE UNDERGHOUND DHAIN/ DRAINAGE MOLE DRAINAGE TILE DRAINAGE AIRFIELD DRAINAGE AIRFORT DRAINAGE DRAIN TILES SITE SELECTION STUDIES SOIL LAYERS SOUNDING METHODS (SOILS) SUBSURFACE MAPPING TEST HOLES TRENCHES DRAINAGE SYSTEMS UNDERGROUND OPENINGS ELECTROOSMOSIS FLOODED SOILS SUBSURFACE FLOW -- FLOW BT FLOW

RT SUBMERGED FLOW

-- SUBSURFACE DRAINAGE
SUBSURFACE RUNOFF

-- VADOSE WATER -- GROUNDWATER HELIPORT DRAINAGE PERCOLATION PERMEABILITY POROSITY PUMP DRAINAGE ROAD DRAINAGE SUBSURFACE INVESTIGATIONS use SUBSURFACE EXPLORATION SEEPAGE -- SEWERS SINKHOLES SUBSURFACE IRRIGATION OF SUBIRRIGATION OF SUBIRRIGATION OF STREET OF SUBIRRIGATION SYSTEMS SOIL POROSITY STORM SEWERS STORM SEWERS
-SUBSURFACE FLOW
SUBSURFACE IRRIGATION
SUBSURFACE RUNOFF
-SUBSURFACE WATERS
SURFACE DRAINAGE RT- - PERMEABILITY -- PIPES -- SUBSURFACE DRAINAGE
-- SURFACE IRRIGATION SUBSURFACE MAPPING 1
BT MAPPING
RT SUBSURFACE EXPLORATION TILE DRAINS UNDERGROUND STREAMS WATER WELLS -- ZONE OF AERATION

SUBSIDENCE

(Con.)

SUBSURFACE DRAINS 1 2 5

SUBSURFACE RUNOFF 1 SUCCESSION (Con.)
-- ENVIRONMENTAL EFFECTS
ENVIRONMENTAL GRADIENT
-- ENVIRONMENTS BT RUNOFF RT HYDROLOGIC EQUATION PERCOLATING WATER -- RUNOFF FORESTS GRASSLANDS -- NUMBER ACE DRAINAGE
SUBSURFACE FLOW
-- SUBSURFACE WATERS
WELL REGULATIONS -- HABITATS MIGRATION PLANT POPULATIONS
-- PLANTS (BOTANY)
-- POPULATIONS
RANGES USE UNDERGROUND STRUCTURES 4 5 SUBSURFACE STRUCTURES SUBSURFACE WASTE DISPOSAL 7
UF UNDERGROUND WASTE DISPOSAL
BT DISPOSAL
WASTE DISPOSAL SUGARCANE BAGASSE 3 use BAGASSE SULFATE ATTACK 2 3
NOTE: Harmful or deleterious RT DISPOSAL WELLS chemical or physical reaction or both between sulfates in soil or groundwater and con-SUBSURFACE WATERS 1
NT ARTESIAN WATER
CAPILLARY WATER
CONFINED WATER
CONNATE WATER
-- GROUNDWATER
HYGROSCOPIC WATER
PERCOLATING WATER
SALINE GROUNDWATE soil or groundwater and correte or mortar
UF SULFATE RESISTANCE
BT CHEMICAL ATTACK
RT CONCRETE DETERIORATION
MARINE ATMOSPHERES
SALINE SOILS
SALT WATER
SULFATE RESISTANCE CEMES SALINE GROUNDWATER - VADOSE WATER SULFATE RESISTING CEMENTS
-- SULFATES ADSORBED WATER ARTESIAN AQUIFERS ARTESIAN WELLS CONJUNCTIVE USE DRAINAGE WATER SULFATE RESISTANCE use SULFATE ATTACK SULFATE RESISTING CEMENTS
UF PORTLAND CEMENT TYPE 5
BT CEMENTS GEYSERS GROUNDWATER BASINS GROUNDWATER BASINS
HYDROGEOLOGY
HYDROLOGIC CYCLE
HYDROLOGIC EQUATION
- RUNNING WATERS
SALT WATER INTRUSION
- SOIL MOISTURE
- SPRINGS (WATER)
- SUBSURFACE DRAINAGE
SUBSURFACE RUNOFF
UNDERGROUND STREAMS
- WATER RESOURCES HYDRAULIC CEMENTS PORTLAND CEMENTS
T ALUMINATE CEMENTS
SULFATE ATTACK
-- SULFATES SULFATES 2 3 6
NOTE: Salts of sulfuric acid BT SALTS NT ANHYDRITE -- WATER RESOURCES WELL REGULATIONS ZONE OF AERATION BARIUM SULFATES
--CALCIUM SULFATES
COPPER SULFATE GYPSUM SUBWAY TUNNELS HEMIHYDRATE MAGNESIUM SULFATES SODIUM SULFATES BT TUNNELS RT RAILROAD TUNNELS CHEMICAL SOIL STABILIZATION SULFATE ATTACK SULFATE RESISTING CEMENTS VEHICULAR TUNNELS YS 2 3 6
RAILROAD TUNNELS
RAILROADS
RAPID TRANSIT SYSTEMS
SUBWAY TUNNELS SULFUR SULFIDES 3 7 NT HYDROGEN SULFIDE VEHICULAR TUNNELS SULFONATED OIL 3 BT OILS SUCCESSION NOTE: Process of replacement of one plant community by another until the climax is reached BT ECOSYSTEMS NT CLIMATIC CLIMAX SULFUR JLFUR 2 3 6 UF SULPHUR RT CALCIUM SULFATES PYRITE -- CLIMAX -- SULFATES DISCLIMAX
DISCLIMAX
ECOLOGICAL SUCCESSION
PIONEER COMMUNITY
POSTCLIMAX SULFUR SOIL STABILIZATION SULFUR CONCRETE 3 NOTE: Sulfur is used as binder BT CONCRETES PRECLIMAX SUBCLIMAX BALANCE OF NATURE
-- BIOLOGICAL COMMUNITIES SULFUR DIOXIDE 7 BT GASES RT HYDROGEN SULFIDE BIOLOGY COMPETITION SULFUR SOIL STABILIZATION 2 BT CHEMICAL SOIL STABILIZATION SOIL STABILIZATION DOMINANT ORGANISMS -- ECOLOGY

RT SULFUR

JLPHUR 2 3 6 use SULFUR SULPHUR JMPS 1 2 7 NOTE: Depressions or tanks that serve as a drain or receptacle for liquids for salvage or SUMPS disposal RT DEWATERING -- DRAINS DITCHES -- PITS -- PUMPING -- WASTE DISPOSAL RT ASTRONOMY
-- SOLAR RADIATION SUNLIGHT SUNLIGHT 6 7 UF SUNSHINE BT ELECTROMAG ELECTROMAGNETIC RADIATION LIGHT (ILLUMINATION) SOLAR RADIATION ASTRONOMY -- CLIMATOLOGY SUN ULTRAVIOLET RAYS SUNSHINE use SUNLIGHT SUPERCRITICAL FLOW 1 UF HIGH VELOCITY FLOW (OPEN CHANNELS) RAPID FLOW SHOOTING FLOW CRITICAL FLOW FLOW FLUID FLOW T CRITICAL DEPTH CRITICAL VELOCITY FLOW PATTERNS - GAS FLOW JETS (FLUIDS) - LIQUID FLOW OPLITTED BLOW FLOW ORIFICE FLOW PIPE FLOW SINGLE PHASE FLOW STEADY FLOW -- STEAM FLOW SUBCRITICAL FLOW TRANSIENT FLOW TURBULENT FLOW -- UNSTEADY FLOW WATER WAVE PILE-UP SUPERELEVATION OF BENDS RT CHANNEL BENDS OPEN CHANNEL FLOW SUPERPORTS UF SEAPORTS RT HARBORS SUPERSHIPS SUPERSEISMIC WAVES BT ELASTIC WAVES SEISMIC WAVES 2 4 RT AIR BLAST INDUCED GROUND MOTION TRANSEISMIC WAVES SUPERSHIPS 1 6 JPERSHIPS 1 6
BT SHIPS
RT CONTAINERSHIPS
SUPERPORTS
TANKER SHIPS

SUPERSONIC AIRCRAFT 2 UF TRANSONIC AIRCRAFT AIRCRAFT
BOMBER AIRCRAFT
HYPERSONIC AIRCRAFT
JET AIRCRAFT -- MILITARY AIRCRAFT ROCKET PLANES -- SHOCK WAVES SONIC BOOM SUPERSONIC DIFFUSERS
BT DIFFUSERS
RT SUPERSONIC FLOW SUPERSONIC FLIGHT 1
RT SUPERSONIC FLOW SUPERSONIC FLOW 1 UF SUPERSONICS BT COMPRESSIBLE FLOW FLOW FLUID FLOW AERODYNAMICS T AERODYNAMICS
-- FULID DYNAMICS
-- GAS FLOW
MACH NUMBER
-- SHOCK WAVES
SUBSONIC FLOW
SUPERSONIC DIFFUSERS
SUPERSONIC FLIGHT
SUPERSONIC NOZZLES -- WIND TUNNELS SUPERSONIC NOZZLES 1
BT NOZZLES
RT SUPERSONIC FLOW SUPERSONIC WIND TUNNELS use WIND TUNNELS SUPERSONICS use SUPERSONIC FLOW SUPERSULFATED CEMENT 3
NOTE: Made by intergrinding a
mixture of granulated blastfurnace slag, calcium sulfate,
and a small amount of lime,
cement, or cement clinker; the and a small amount of lime, cement, or cement clinker; the equivalent content of sulfate exceeds that for portland blast-furnace slag cement BT HYDRAULIC CEMENTS
RT ANHYDRITE
BLAST FURNACE SLAG
--CALCIUM SULFATES
GYPSUM
GYPSUM CEMENTS GYPSUM CEMENTS NT TUNNEL SUPPORTS
RT-- BEAMS (SUPPORTS)
-- BRACINGS
COLUMBS (--SUPPORTS COLUMNS (SUPPORTS)
COUNTERFORTS -- FOOTINGS -- FOUNDATIONS -- FRAMES LAGGING -- LOADS (FORCES) -- PIERS (SUPPORTS) -- RETAINING WALLS SHORING TRESTLES UNDERPINNING RT--EARTH PRESSURE THEORIES PRECONSOLIDATION PRESSURE PRELOAD FILLS
SETTLEMENT CONTROL
SOIL DISPLACEMENT METHODS

SURFACE COMPOSITION FACTORS (Con.) SURF use BREAKERS (WATER WAVES) SNOW STRENGTH SOIL DENSITY SURF BEATS - SOIL MOISTURE NOTE: Wind generated ocean SOIL POROSITY SOIL POROSITY
-- SOIL STRENGTH
SOIL TEMPERATURE
SOIL THICKNESS
SPECIFIC GRAVITY
SURFACE SOIL STRENGTH
RT-- SNOW PROPERTIES
-- SOIL PROPERTIES
SOIL TEXTURE waves, traveling shoreward, caused by interference of two different wind wave trains OCEAN WAVES WATER WAVES WIND WAVES BREAKERS (WATER WAVES) SURF ZONES -- SURFACE COMPOSITION
-- SURFACE COMPOSITION CLASSIFICA-SURF-BOARDING use SURFING TION
--SURFACE COMPOSITION MAPPING ZONE 1 BREAKERS (WATER WAVES) COASTAL ZONE LITTORAL ZONE SURF ZONE HT BREA SURFACE COMPOSITION MAPPING 5 BT MAPPING TERRAIN MAPPING TERHAIN MAPPING
NT SOIL MAPPING
RT SOIL MAPPING
SOIL STRENGTH MAPS
SURFACE COMPOSITION
-- SURFACE COMPOSITION FACTORS
TRAFFICABILITY MAPPING SURF BEATS SURFACE ACTIVE AGENTS use SURFACTANTS SURFACE AND CONTROL SAMPLING 2
BT SAMPLING
RT AUGER CORE BARRELS
EXPLORATORY PITS
EXPLORATORY TRENCHES
-- FIELD CONTROL TESTS (SOILS) SURFACE DEFECTS (CONCRETE) 3 BUGHOLES HONEYCOMB (CONCRETE) HOMEYCUME (CONCRETE)

CONCRETE DISCOLORATION

EFFLORESCENCE

FATIGUE (MATERIALS)

FORMWORK (CONSTRUCTION)

SPALLING

VOIDS (CONCRETE) -- QUALITY CONTROL SHORT PISTON SAMPLERS SUBGRADES SURFACE SAMPLERS (ROCK) SURFACE SAMPLERS (SOILS) SURFACE DETENTION ONFACE DETENTION I NOTE: That part of rain which remains on ground surface during rainfall and either runs off or infiltrates after rain ends RT RAINFALL-RUNOFF RELATIONSHIPS SURFACE BURSTS 4
use SURFACE EXPLOSIONS SURFACE COATINGS 1 2 3 5 use COATINGS SURFACE COMPOSITION 5
NOTE: Pertains to earth surface
BT TERRAIN
NT-ICE SURFACE DRAINAGE 1 2 3 5 BT DRAINAGE 1 2
BT DRAINAGE
NT MOLE DRAINAGE
RT AIRFIELD DRAINAGE AIRPORT DRAINAGE - CANALS SNOW -- WATER -- WAIEH
T EARTH SURFACE
-- SOIL PROPERTIES
STATE OF THE GROUND
-- SURFACE COMPOSITION CLASSIFICATION -- CHANNELS -- CULVERTS FLOODED SOILS GUTTERS (PAVEMENTS) HELIPORT DRAINAGE -- SURFACE COMPOSITION FACTORS
-- SURFACE COMPOSITION MAPPING - LAND LANDING MAT DRAINAGE MEMBRANE DRAINAGE ROAD DRAINAGE SNOWMELT SURFACE COMPOSITION CLASSIFICATION 5 TERRALD CLASSIFICATIONS

TERRAIN CLASSIFICATION

TSNOW CLASSIFICATION
-- SOIL CLASSIFICATION
RT-- SURFACE COMPOSITION
-- SURFACE COMPOSITION
-- SURFACE COMPOSITION FACTORS SNOWMELT
SUBSURFACE DRAINAGE
SURFACE RUNOFF
SURFACE WATERS
WATER SPREADING
--WATER YIELD TRAFFICABILITY CLASSIFICATION UNIFIED SOIL CLASSIFICATION SURFACE DRESSING (ROADS) 2 5 use SURFACE TREATMENT (ROADS) SYSTEM USDA TEXTURAL CLASSIFICATION SURFACE EFFECT VEHICLES SURFACE COMPOSITION FACTORS 5
BT TERRAIN FACTORS
NT ATTERBERG LIMITS
COME INDEX
GRAIN SIZES use AIR CUSHION VEHICLES SURFACE EXPLOSIONS UF SURFACE BURSTS BT EXPLOSIONS GRAIN SIZES ICE STRENGTH ORGANIC CONTENT PERMEABILITY (SOILS) RATING CONE INDEX RT-- CRATERING
GROUND ROLL
-- NUCLEAR EXPLOSIONS
-- SEISMIC WAVES SURFACE FINISHES

use FINISHES

```
SURFACE FINISHING 3
NT CONCRETE FINISHING (FRESH
CONCRETE)
                                                                                                                                                                                                                           SURFACE IRRIGATION
                                                                                                                                                                                                                                          FIRIGATION
IRRIGATION SYSTEMS
FOR THE STATE OF THE STATE 
        RT-- COATINGS
-- FINISHES
                        WIRE BRUSHING
                                                                                                                                                                                                                                          -- FLOODING
-- IRRIGATION CANALS
RETURN FLOW
SURFACE FRICTION 2 3 5
UF COEFFICIENT OF SURFACE
FRICTION
SURFACE FRICTION ANGLE
                                                                                                                                                                                                                                                    SEEPAGE
                                                                                                                                                                                                                                                   SPRINKLER IRRIGATION
SUBSURFACE IRRIGATION
                        SURFACE FRICTION ANGLE
FRICTION
HYDROPLANING
MOTION RESISTANCE
NONSKID SURFACES
SKID RESISTANCE
SURFACE ROUGHNESS (PAVEMENTS)
TIRE-PAVEMENT INTERACTION
TIRE SIDE SLIP
TRACTION
                                                                                                                                                                                                                                                     WATER REQUIREMENTS
                                                                                                                                                                                                                            SURFACE MACROGEOMETRY use SURFACE GEOMETRY
                                                                                                                                                                                                                            SURFACE MICROGEOMETRY
                                                                                                                                                                                                                                    use MICROGEOMETRY
                           TRACTION
                                                                                                                                                                                                                            SURFACE MINING 4
BT MINING
NT QUARRYING
STRIP MINING
 SURFACE GEOMETRY 5

UF MACROGEOMETRY
RELIEF (TERRAIN)
SURFACE MACROGEOMETRY
TERRAIN ROUGHNESS
BT GEOMETRY
                                                                                                                                                                                                                            SURFACE RESISTANCE (HYDRAULICS) 1
use HYDRAULIC FRICTION
                           TERRAIN
                                                                                                                                                                                                                            SURFACE ROUGHNESS 1 3 6

UF ROUGHNESS FACTOR

BT ROUGHNESS

NT SURFACE ROUGHNESS (FLUIDS)

SURFACE ROUGHNESS (HYDRAULICS)

SURFACE ROUGHNESS (PAVEMENTS)
                           MICROGEOMETRY
APPROACH GEOMETRY
DEPARTURE GEOMETRY
                           LUNAR TOPOGRAPHY
OBSTACLES
                  -- ROUGHNESS
SURFACE GEOMETRY CLASSIFICATION
-- SURFACE GEOMETRY FACTORS
                                                                                                                                                                                                                                                   FRICTION
                                                                                                                                                                                                                            SURFACE ROUGHNESS (FLUIDS) 1
NOTE: Limited to top of the fluid
UF WATER SURFACE ROUGHNESS
BT ROUGHNESS
                           TOPOGRAPHIC MAPS
   SURFACE GEOMETRY CLASSIFICATION
BT CLASSIFICATIONS
TERRAIN CLASSIFICATION
RT MICROGEOMETRY CLASSIFICATION
-- SURFACE GEOMETRY
-- SURFACE GEOMETRY
                                                                                                                                                                                                                                           SURFACE ROUGHNESS
WATER SURFACE
-- WATER WAVES
                                                                                                                                                                                                                                    RT
                                                                                                                                                                                                                            SURFACE ROUGHNESS (HYDRAULICS) 1
NOTE: Unevenness of a solid sur-
face that results in friction
for fluid flow across the solid
   SURFACE GEOMETRY FACTORS
BT TERRAIN FACTORS
NT BOULDERS
                                                                                                                                                                                                                                             surface
HYDRAULIC ROUGHNESS
          RT- - OBSTACLES
                          SURFACE GEOMETRY
SURFACE GEOMETRY CLASSIFICATION
                                                                                                                                                                                                                                                   ROUGHNESS
SURFACE ROUGHNESS
                                                                                                                                                                                                                                                   SURFACE ROUGHNESS
BED ROUGHNESS
CHANNEL FLOW
CHEZY EQUATION
FLUID RESISTANCE
HYDRAULIC FRICTION
KUTTER PORMULA
MANNING EQUATION
ROUGHNESS COEFFICIENT
TUNNEL HYDRAULICS
   SURFACE GEOMETRY MAPPING
          BT MAPPING
TERRAIN MAPPING
                           MICROGEOMETRY MAPPING
TOPOGRAPHIC MAPS
   SURFACE- GROUNDWATER RELATIONSHIPS 1
          RT BANK STORAGE
BASE FLOW
CONJUNCTIVE USE
-- GROUNDWATER
                                                                                                                                                                                                                          SURFACE ROUGHNESS (PAVEMENTS) 2 3 5
UF AIRFIELD ROUGHNESS
PAVEMENT ROUGHNESS
RUWWAY ROUGHNESS
BT ROUGHNESS
                  F ROUGHNESS
SUFFACE ROUGHNESS
F FRICTION RESISTANCE
GROOVING (PAVEMENTS)
NONSKID SURPACES
-- OVERLAYS (PAVEMENTS)
-- PAVEMENT DESIGN
                 -- RUNOFF
-- STREAM FLOW
-- STREAMS
-- SURFACE WATERS
-- WATER STORAGE
                                                                                                                                                                                                                                          -- PAVEMENTS
                                                                                                                                                                                                                                                   PROFILOMETERS
ROAD SURFACES
SEAL COATS
   SURFACE HARDENERS (CONCRETE)
           UF FLOOR HARDENERS
RT CONCRETE FINISHES (HARDENED CONCRETE)
                                                                                                                                                                                                                                                   SKID RESISTANCE
SURFACE FRICTION
TIRE- PAVEMENT INTERACTION
                           CONCRETE SURFACE HARDENING
                                                                                                                                                                                                                                                    TRACTION
                                                                                                                                                                                                                           SURFACE ROUGHNESS (TERRAIN)
```

use MICROGEOMETRY

SURFACE RUNOFF 1 7
BT RUNOFF
RT AGRICULTURAL WATERSHEDS SURFACE TRACTION use TRACTION SURFACE TREATMENT (ROADS) 2
UF SURFACE DRESSING (ROADS)
RT DUST CONTROL
MEMBRANES (ROADS)
--OVERLAYS (PAVEMENTS)
ROAD MAINTENANCE
ROAD SURFACES
SEAL COLES CLOUDBURSTS DRAINAGE WATER OVERLAND FLOW PEAK DISCHARGE PEAK FLOODS PEAK RUNOFF SHEET EROSION STORM RUNOFF STORM SEWERS SEAL COATS SLURRIES STREAMFLOW DEPLETION
--SURFACE DHAINAGE
--SURFACE WATERS
TIME OF CONCENTRATION SLURRY COATINGS SURFACE VIBRATOR TESTS BT FIELD TESTS
RT FOUNDATION VIBRATIONS
MACHINE FOUNDATIONS
VIBRATION EFFECTS
VIBRATION MEASUREMENTS WATERSHED MANAGEMENT - WATERSHEDS SURFACE SAMPLERS (ROCK)
BT ROCK SAMPLERS
SAMPLERS VIBRATION RESPONSE TESTS
VIBRATORY INVESTIGATIONS
VIBRATORY LOADS
VIBRATORY PLATE BEARING TESTS SAMPLENS
ACCESSIBLE EXPLORATION
EXPLORATORY PITS
EXPLORATORY TRENCHES
SURFACE AND CONTROL SAMPLING SURFACE WATERS 1 2 5 7
NOTE: All waters on the surface
of the earth
BT WATER
NT GULFS SURFACE SAMPLERS (SOILS) JRFACE SAMPLERS (SOILS) 2
BT SAMPLERS
SOIL SAMPLERS
ACCESSIBLE EXPLORATION
AUGER CORE BARRELS
EXPLORATORY PITS
EXPLORATORY PITS
-- FIELD CONTROL TESTS (SOILS)
-- OPEN DRIVE SAMPLERS
-- FUELD CONTROL TESTS (SOILS) -- LAKES OCEANS -- RIVERS RT-- AQUATIC ENVIRONMENT BANK STORAGE BOGS SHORT PISTON SAMPLERS SUBGRADES BRACKISH WATER
-- CHANNELS
CONJUNCTIVE USE
-- DRAINAGE SURFACE AND CONTROL SAMPLING DRAINAGE SYSTEMS DRAINAGE WATER SURFACE SEALERS
use SEALERS 3 4 DYSTROPHY - EVAPORATION SURFACE SOIL STRENGTH NOTE: Applicable to upper few
centimeters of soil surface
BT SOIL PROPERTIES
SOIL STRENGTH
SURFACE COMPOSITION FACTORS
RT COHRON SHEARGRAPH FARM PONDS FLOODED SOILS -- FLOODS FRESH WATER -- GROUNDWAER
GUTTERS (PAVEMENTS)
HYDRAULIC GEOMETRY
HYDROGEOLOGY CONE INDEX SHEAR STRENGTH (SOILS) TRAFFICABILITY DATA VANE SHEAR TESTS HYDROGRAPHIC SURVEYS HYDROGRAPHY HYDROLOGIC CYCLE
HYDROLOGIC DATA
HYDROLOGIC EQUATION
- HYDROLOGY SURFACE TEMPERATURE BT TEMPERATURE SURFACE TENSION 1 2 3 -- IRRIGATION
LAKE MORPHOLOGY
LAKE MORPHOMETRY
LIMNOLOGY BT TENSION RT CAPILLARITY CAPILLARY FLOW
CAPILLARY FRESSURE
CAPILLARY WATER
HYGROSCOPIC WATER
MOISTURE SUCTION RELATIONSHIP -- MARSHES PEAK RUNOFF PLAYAS PONDS MOISTURE SUCTION RELATI
(SOILS)
NEGATIVE PORE PRESSURE
--SOIL MOISTURE
TENSIOMETERS
WATER PROPERTIES
WEBER NUMBER
WETTING AGENTS -- PRECIPITATION (METEOROLOGY)
-- RECHARGE (WATER)
-- RESERVOIRS
RIVER BASINS -- RUNNING WATERS -- RUNOFF -- SALT WATER SEA WATER SURFACE TENSION WAVES USE CAPILLARY WAVES -- SEDIMENTATION -- SEEPAGE SEICHES SHALLOW WATER STANDING WATERS STREAM GAGING SURFACE TESTS (SOILS)
BT FIELD TESTS
HAND TESTS
RT DILATANCY TESTS
DRY STRENOTH TESTS
TOURDESES TESTS (SO

TOUGHNESS TESTS (SOILS)

SURFACE WATERS (Con.)	SURFACTANTS (Con.)
SURFACE WATERS (Con.) STREAMS	DETERGENTS
	DISPERSANTS
SURFACE DRAINAGE SURFACE- GROUNDWATER RELATION-	EMULSIFYING AGENTS
	FOAMING AGENTS
SHIPS	PLASTICIZERS
SURFACE RUNOFF	RETARDANTS
SWAMPS	SOAPS
WATER- LOGGED LAND	WATER POLLUTION SOURCES
WATER PROSPECTING	
WATER RESOURCES	WATER REDUCING AGENTS
WATER SUPPLY	WETTING AGENTS
WATERSHEDS	CHERTNO 1
WATERWAYS (WATERCOURSES)	SURFING 1
WETLANDS	UF SURF- BOARDING
(()	RT BREAKERS (WATER WAVES)
SURFACE WAVES (SOLID MEDIA) 2 3 4	CHECK MANKS 1
NOTE: Seismic waves that travel	SURGE TANKS 1
along the surface of the earth	RT ABSORBERS AIR CHAMBERS
or parallel to the earth's surface	
BT MECHANICAL WAVES	HYDRAULIC ACCUMULATORS
SEISMIC WAVES	HYDRAULIC TRANSIENTS
WAVES	HYDROELECTRIC PLANTS
NT GROUND ROLL	HYDROELECTRIC POWER
LOVE WAVES	PENSTOCKS
RAYLEIGH WAVES	PIPELINES
STONELEY WAVES	SURGES
RT ELASTIC WAVES	GIRGE HAIRS
GRAVITY WAVES	SURGE WAVES 1
	BT WATER WAVES
SURFACE WAVES (WATER) 1	WAVES
use GRAVITY WAVES	RT WATER WAVE PERIODS
	WATER WAVE SUPPRESSORS
SURFACINGS 2 5	aupana .
NOTE: Use of a more specific	SURGES 1
term is recommended; consult	UF WATER SURGES
the terms listed below	RT BORES (RIVER) BORES (TIDAL)
ABRASION RESISTANT COATINGS	BORES (TIDAL)
ADHESIVES	DRAFT TUBES
ASPHALT LININGS	FLOOD WAVES
ASPHALT OVERLAYS	FLUID FLOW
ASPHALT PAINT	FREQUENCY
BITUMINOUS COATINGS	GUSTS
BURIED MEMBRANES	HYDRAULIC JUMP
CANAL LININGS	HYDRAULIC TRANSIENTS
COATINGS	HYDRODYNAMIC PRESSURE
CONCRETE LININGS	SEICHES
CONCRETE OVERLAYS	SLUG FLOW
EARTH LININGS	STABILITY
EPOXY COATINGS	STORM SURGES
EXPEDIENT SURFACINGS	SURGE TANKS
FLEXIBLE PAVEMENTS	WATER CIRCULATION
IMPERVIOUS LININGS	WATER HAMMER
IMPERVIOUS MEMBRANES	WATER WAVE PERIODS
LININGS	WATER WAVES
MEMBRANES (LININGS)	WIND (METEOROLOGY)
NONSKID COMPOUNDS	WIND TIDES
OVERLAYS (LANDING MATS)	
OVERLAYS (PAVEMENTS)	SURVEYING 1 2
PAINTS	NOTE: Art of determining the shape
PAVEMENTS	contour, position, or dimensions
PERVIOUS LININGS	of any part of the earth's sur-
PERVIOUS MEMBRANES	face and representing this infor-
PHOTOELASTIC COATINGS	mation on paper
PREFABRICATED MEMBRANES	NT HYDROGRAPHIC SURVEYING
PREFABRICATED SURFACINGS	RT AERIAL PHOTOGRAPHY
PROTECTIVE COATINGS	AERIAL SURVEYS
PROTECTIVE COATINGS (LANDING	BASE LINES (SURVEYING)
MATS)	BATHYMETRY
PROTECTIVE COATINGS (MEMBRANES)	BENCH MARKS
RESERVOIR LININGS	CIVIL ENGINEERING
RIGID PAVEMENTS	CONFORMAL MAPPING
RUBBERIZED- TAR PAVEMENTS	COORDINATES
SEALERS	DEPTH FINDING
SURFACE TREATMENT (ROADS)	DIRECTION FINDING
TUNNEL LININGS	DRILLING
WATERPROOF COATINGS	EXPLORATION
WOOD PRESERVATIVES	FIELD CONTROL
	GEODESY
SURFACTANTS 3 7	GEODETIC SURVEYS
UF SURFACE ACTIVE AGENTS	GEOPHYSICS
RT ADMIXTURES	HYDROGRAPHIC SURVEYS
AIR ENTRAINING AGENTS	LASERS
CLEANING AGENTS	LEVELING
CONCRETE ADMIXTURES	MAPPING

SUSPENDED SOLIDS 1 7
NOTE: Solid (particulate)
materials held in suspension
UF TRANSPORT OF SOLIDS
RT BED LOAD
COLLOIDS
PARTICLE SIZE
-- RUNNING WATERS
-- RUNOFF
SALTATION
-- SEDIMENT
SEDIMENT TRANSPORT
SUSPENDED LOAD
TURBIDIMETERS SURVEYING (Con.) -- MAPS -- MEASUREMENT -- MEASUMEMENT
MILITARY ENGINEERING
MINING ENGINEERING
PHOTOGRAMMETRY
-- PROFILES --PROFILES
RADAR
RIGHT OF WAY
ROUTE SURVEYS
--SURVEYING INSTRUMENTS
TELEMETRY
TERRAIN ANALYSIS
TOPOGRAPHIC MAPPING
TOPOGRAPHIC SURVEYS TURBIDIMETERS TURBIDITY WASTE DISPOSAL TOPOGRAPHY
TOPOGRAPHY
TRIANGULATION
TRIANGULATION NETS
TRIGONOMETRY SUSPENDED STRUCTURES 3
BT STRUCTURAL FORMS
RT--SHELLS (STRUCTURAL FORMS)
SUSPENSION BRIDGES SURVEYING INSTRUMENTS TELLUROMETERS
THEODOLITES
GEODETIC SURVEYS SUSPENSION BRIDGES BRIDGES
HIGHWAY BRIDGES
RAILROAD BRIDGES
RIGID FRAME BRIDGES
SUSPENDED STRUCTURES -- MAPPING -- OPTICAL INSTRUMENTS ROUTE SURVEYS
SURVEYING
TERRAIN MAPPING
TOPOGRAPHIC SURVEYS TRUSS BRIDGES SUSPENSION SYSTEMS (VEHICLES)
NT LEAP SPRINGS
PNEUMATIC SPRINGS
- SPRINGS (MECHANICAL)
TORSIONAL SPRINGS
WHEEL SUSPENSIONS
RT RIDE DYNAMICS
SPRING DESIGN
- VEHICLE DESIGN
- VEHICLE DYNAMICS
VIBRATIONS (VEHICLES) SURVEYS 1 2 5
NOTE: Use of a more specific term is recommended; consult the terms listed below ACOUSTIC SURVEYS
AERIAL SURVEYS
CADASTRAL SURVEYS
ELECTROMAGNETIC SURVEYS
GEODETIC SURVEYS
GRAVIMETIC SURVEYS
HYDROGRAPHIC SURVEYS
MAGMETIC SURVEYS
MAGMETIC SURVEYS
MAGMETIC SURVEYS
MAPPING VIBRATIONS (VEHICLES) WAVES 2 4 use SHEAR WAVES SV WAVES MAPPING RECONNAISSANCE SVEE BLOCK 1 NOTE: Patented, precast concrete armor units BT ARMOR UNITS RECONNAISSANCE SURVEYS REMOTE SENSING RESERVOIR SURVEYS RESISTIVITY SURVEYS ROUTE SURVEYS
SEISMIC INVESTIGATIONS
SEISMIC SURVEYS
SNOW SURVEYS WAMPS 1 2 5 7
UF ORGANIC TERRAIN
BT TOPOGFAPHIC FEATURES
WETLANDS SWAMPS NT MANGROVE SWAMPS
RT-AQUATIC ENVIRONMENT
AQUATIC HABITATS
BACKSWAMP DEPOSITS SURVEYING TOPOGRAPHIC SURVEYS UNDERWATER SURVEYS VEGETATION SURVEYS USPENDED LOAD 1 2 7

NOTE: Portion of stream load made up of particles of sediment having such density or grain size as to permit movement far above and for long distance out of contact with the stream bed

UF MATERIALS IN SUSPENSION SEDIMENT (SUSPENDED)
SUSPENDED SEDIMENT

BT SEDIMENT

BED LOAD BAYOUS BOGS SUSPENDED LOAD COASTAL MARSHES
-- COASTAL TOPOGRAPHIC FEATURES DELTAS DRAINAGE SYSTEMS FLOODED SOILS LAKES LAND RECLAMATION MARSHES MUCK BED LOAD BED MOVEMENTS MUSKEG ORGANIC SOILS BROWNIAN MOVEMENT RIVERS PEAT QUICKSAND SATURATED SOILS
SHALLOW WATER
SOFT SOILS
STAGNANT WATER
STANDING WATERS
-- SURFACE WATERS -- RUNNING WATERS -- RUNOPF
SALTATION
SEDIMENT TRANSPORT
-- STREAMS
SUSPENDED SOLIDS WATERLOGGED LAND TURBIDIMETERS TURBIDITY SWEDISH CIRCLE METHOD USE SLICES METHOD use SUSPENDED LOAD

SUSPENDED SEDIMENT

SWEDISH FOIL SAMPLERS
UF FOIL SAMPLERS
BT DRIVE SAMPLERS
PISTON SAMPLERS SAMPLERS SOIL SAMPLERS SOIL SAMPLERS
CONTINUOUS SAMPLE BORING
CONTINUOUS SAMPLING
FIXED PISTON SAMPLERS
SINGLE TUBE CORE BARRELS
UNDISTURBED SAMPLING
UNDISTURBED SOIL SAMPLES SWEDISH SLICE METHOD use SLICES METHOD SWEEP- FREQUENCY VIBRATION TESTS SWELL (WATER WAVES) 1 RT SEA (WAVE CONDITION) --WATER WAVES SWELLING INDEX 2 NOTE: Parameter used to measure the expansion of the soil sample
RT--CONSOLIDATION TESTS (SOILS)
--EXPANSIVE SOILS
PRESSURE VOID RATIO CURVES
SOIL SWELLING
SWELLING PRESSURE SWELLING PHENOMENA (SOILS) 2 5 use:SOIL SWELLING SWELLING PRESSURE 2 5
UF EXPANSIVE FORCES (SOILS)
BT PRESSURE
RT ADSORBED WATER
-- EXPANSIVE SOILS -- SOIL MOISTURE
SOIL PRESSURE
SOIL SWELLING
SWELLING INDEX SWELLING SOILS 2 5 use SOIL SWELLING SWIMMING POOLS 3 BT RECREATIONAL FACILITIES SWITCHING THEORY 6
RT AUTOMATA THEORY
BOOLEAN ALGEBRA
COMMUNICATION THEORY
-- MATHEMATICAL LOGIC
MATHEMATICAL PHYSICS
TOPOLOGY SYENITE 2 BT IGNEOUS ROCKS INTRUSIVE ROCKS ROCKS TRACHYTE SYMBIOSIS MMBIOSIS 7
NOTE: Living together of two dif-ferent organisms with a resulting mutual benefit RT--ECOLOGY LICHENS LS 1 2 3 4 5 6
AERONAUTICAL SYMBOLS
CHEMICAL SYMBOLS
ENGINEERING SYMBOLS SYMBOLS ABBREVIATIONS CODING DATA PROCESSING

SYMPOSIA 5 6

SYNCLINES 2
BT FOLDS AND FOLDING (GEOLOGY)
GEOLOGIC STRUCTURES
RT ANTICLINES
BASINS (GEOLOGY)
-- DOMES (GEOLOGY)
GEANTICLINES
GEOSYNCLINES
MONOCILIES MONOCLINES SYNECOLOGY 7
use BIOLOGICAL COMMUNITIES SYNONYMS SYNOPTIC ANALYSIS 1 6
RT AUTOMATION
-- CHARTS -- CLIMATOLOGY
DEPTH AREA CURVES
DEPTH AREA-DURATION ANALYSIS
FREQUENCY -- MAPS METEOROLOGICAL DATA -- METEOROLOGY WEATHER FORECASTING 2 SYNTACTIC FOAMS NOTE: Cellular polymers made by dispersing rigid, microscopic particles in a fluid polymer and then curing BT CELLULAR MATERIALS COMPOSITE MATERIALS FOAMS RT CELLULAR PLASTICS SYNTHALOGOUS ENVIRONMENTS TATHALOGOUS ENVIRONMENTS
NOTE: Asynthetic and analogous
theatre of operations
BT ENVIRONMENTS
-- ENVIRONMENTAL ANALYSIS
-- ENVIRONMENTAL MODELS (ANALYTICAL) -- MILITARY OPERATIONS SYNTHETIC AGGREGATES 2 3 BT AGGREGATES SYNTHETIC FIBERS 2 3
BT FIBERS
NT NYLON FIBERS POLYESTER FIBERS
SARAN (TRADEMARK) FIBERS
ACRYLIC RESINS
BORON FIBERS FIBER REINFORCED PLASTICS GLASS FIBERS GRAPHITE PIBERS
-- MINERAL WOOL
-- NATURAL FIBERS
POLYESTER RESINS POLYETHYLENE POLYPROPYLENE POLYURETHANE RESINS
-- REINFORCING MATERIALS
-- RESINS (SYNTHETIC)
ROCK WOOL SYNTHETIC SOILS SYNTHETIC TEXTILES -- VINYL RESINS SYNTHETIC HYDROLOGY 1 6
UF STOCHASTIC HYDROLOGY
BT HYDROLOGY
BT DESIGN STORM
--MATHEMATICAL MODELS
FROBABLE MAXIMUM PRECIPITATION
RESERVOIR OPERATION
RIVER SYSTEMS
STOCHASTIC RECORSES STOCHASTIC PROCESSES -- STREAM FLOW SYSTEMS ANALYSIS

SYNTHETIC MINERALS 2
UF ARTIFICIAL MINERALS
BT MINERALS
NT ARTIFICIAL CORUNDUM
SYNTHETIC RUBIES
RT-- GEM MINERALS

SYNTHETIC RESINS 2 5 use RESINS (SYNTHETIC)

SYNTHETIC RUBBER 2 3 5
BT ELASTOMERS
RESINS (SYNTHETIC)
RUBBER
RT--ADHESIVES
CHLOROPRENE RESINS
NATURAL RUBBER
SILICOME RESINS

SYNTHETIC RUBIES 2
BT MINERALS
RUBIES
SYNTHETIC MINERALS
RT ALUMINUM
ARTIFICIAL CORUNDUM
DIAMONDS
LASERS

SYNTHETIC SOILS 2 5
UF ARTIFICIAL SOILS
RT LUNAR SOILS
-- MODEL TESTS
-- SYNTHETIC FIBERS
-- VEHICLE TESTS

SYNTHETIC TEXTILES 2
BT TEXTILES
RT NATURAL TEXTILES
-- SYNTHETIC FIBERS

SYSTEMATICS 7
use TAXONOMY

SYSTEMS 5
NOTE: Use of a more specific term is recommended; consult the terms listed below CLASSIFICATIONS COMPUTER PROGRAMS COMPUTERS BRIVE SYSTEMS INFORMATION SYSTEMS INFORMATION SYSTEMS INFOLMATION SYSTEMS INTELLIGENCE METHIC SYSTEM NONLINEAR SYSTEMS SOIL-MACHINE SYSTEMS SUSPENSION SYSTEMS (VEHICLES) SYSTEMS ENGINEAR SYSTEMS CYSTEMS SYSTEMS ENGINEERING TRANSMISSIONS

SYSTEMS ANALYSIS 3 4 5 6 7
NOTE: Systemic approach to assessing any problem, arriving at alternatives, and projecting the probable consequences of employing the alternatives in order to facilitate proper decision-making RT COMPUTER PROGRAMMING
--COMPUTERS COST ANALYSIS
COST ANALYSIS
COST ANALYSIS
SINFORMATION SCIENCES
INFORMATION SYSTEMS
MAN MACHINE SYSTEMS
--MANAGEMENT
MATHEMATICAL MODELS
MATHEMATICAL PHYSICS
MOBILITY MODELS
OPERATIONS RESEARCH
--SIMLITUDE

SYSTEMS ANALYSIS (Con.)
--SIMULATION
SOIL-MACHINE SYSTEMS
--STATISTICAL ANALYSIS
--STATISTICAL MODELS
SYSTEMS ENGINEERING
SYNTHETIC HYDROLOGY

SYSTEMS DESIGN 5 6
use SYSTEMS ENGINEERING

SYSTEMS ENGINEERING 3 4 5 6 7
UF SYSTEMS DESIGN
SYSTEMS MODELS
SYSTEMS SYNTHESIS
RT AUTOMATION
BIONICS
CONTROL THEORY
COST ENGINEERING
-- COSTS
CYBERNETICS
-- DATA PROCESSING
DECISION MAKING
ENGINEERING RESEARCH
-- FORECASTING
HUMAN FACTORS ENGINEERING
INDUSTRIAL ENGINEERING
INFORMATION SYSTEMS
INFORMATION THEORY
MAN MACHINE SYSTEMS
-- MANAGEMENT
MANAGEMENT
MANAGEMENT
MANAGEMENT ENGINEERING

-- MANAGEMENT
MANAGEMENT ENGINEERING
-- MATHEMATICAL MODELS
MILITARY ENGINEERING
-- OPERATIONS RESEARCH
PRODUCTION CONTROL
-- RECORDING INSTRUMENTS
RELIABILITY
SCHEDULING
-- SIMULATION
SYSTEMS ANALYSIS
SYSTEMS MANAGEMENT

SYSTEMS MANAGEMENT 6
BT MANAGEMENT
RT--COMPUTERS
--MANAGEMENT METHODS
--PROJECT MANAGEMENT
--SYSTEMS ENGINEERING

SYSTEMS MODELS 3 4 6 7 use SYSTEMS ENGINEERING

SYSTEMS SYNTHESIS 6
use SYSTEMS ENGINEERING

BEAMS 2 3 4
BT BEAMS (SUPPORTS)
STRUCTURAL MEMBERS
RT CANTILEVER BEAMS T-BEAMS CHANNEL BEAMS CONTINUOUS BEAMS TABLE MODELS MODELS RT--HYDRAULIC MODELS STRUCTURAL MODELS TABLE OF FUNCTIONS (WATER WAVES) 1
use WATER WAVE THEORY TABLES (DATA) 6
BT INFORMATION
NT MATHEMATICAL TABLES RT--CHARTS DATA PROCESSING
DATA REDUCTION
DATA STORAGE
DATA TRANSMISSION EXPERIMENTAL DATA METEOROLOGICAL DATA TABLES (MATHEMATICAL) 6
use MATHEMATICAL TABLES TABULATING EQUIPMENT 2 6 BT DATA PROCESSING EQUIPMENT RT--COMPUTERS ACHOMETERS 3 6
BT MEASURING INSTRUMENTS
SPEED INDICATORS
RT PREQUENCY METERS
VELOCITY MEASUREMENT TACHOMETERS TACONITE ITE 3 IRON ORES BT METAMORPHIC ROCKS ROCKS IRON AGGING 1
RT DYE DISPERSION
DYE RELEASES
MARKING TECHNIQUES
RADIOACTIVE ISOTOPES
TELEMETRY TAGGING TRACERS TAILBAYS 1
NOTE: Part of a lock immediately below the tailgates
RT LOCKS (WATERWAYS)
TAILGATES TAILGATES BT HYDRAULIC GATES LOCK GATES RT LOCKS (WATERWAYS) TAILBAYS TAILINGS 2 7 NOTE: Residue of products, as in mining
BT WASTES
RT CONTAMINANTS -- INDUSTRIAL WASTES TAILINGS DISPOSAL TAILINGS DISPOSAL RT-- MINING TAILINGS -- WASTE DISPOSAL TAILRACES AILRAGES 1
BT CHANNELS
RT APTERBAYS
--CHANNEL FLOW
CHANNEL IMPROVEMENT
CHANNEL STABILIZATION

TAILRACES (Con.)
--HYDRAULIC TURBINES HYDROELECTRIC PLANTS TAILWATER TAILWATER RT AFTERBAYS --DAMS HYDROELECTRIC PLANTS POWER HEAD TAILRACES WATER LEVELS TAINTER GATES AINTER GATES 1
BT HYDRAULIC GATES
RT RADIAL GATES
SPILLWAY GATES
TAINTER VALVES TAINTER VALVES 1 BT VALVES RT TAINTER GATES TALC BT MINERALS
SILICATE MINERALS
MATERIALS RT CERAMIC MATERIALS
--FILLERS TALL OIL BT OILS RT WAXES ALUS 2
NOTE: Disintegrated rock
fragments, at the bases of
cliffs where they have
accumulated as slide material
RT DISINTEGRATION
--EROSION
--IANDSLIDES --LANDSLIDES MASS WASTING ROCK FALLS ROCK SLOPES --SLOPES WEATHERING (GEOLOGY) TAMPING 2 3 5
BT COMPACTION (SOILS)
DENSIFICATION (SOILS) RT BACKFILLS
CONCRETE PLACING
CONSOLIDATION (CONCRETE)
HAND TAMPERS (COMPACTION)
IMPACT COMPACTION POWER TAMPERS TAMPING ROLLERS 2 5
use SHEEPSFOOT ROLLERS TAMS SAMPLER 2
use DOUBLE TUBE AUGER SAMPLERS TANGENT MODULUS 2 3 4
NOTE: Slope of the stress-strain
curve at any specified stress curve at any specified strong strain

r MECHANICAL PROPERTIES
MODULUS OF DEFORMATION
MODULUS OF ELASTICITY

r INITIAL TANGENT MODULUS
CHORD MODULUS
MODULUS OF DEFORMATION
CEPALITY MODULUS SECANT MODULUS
--SHEAR PROPERTIES
--TENSILE PROPERTIES TANGENTIAL STRAIN
use SHEAR STRAIN TANGENTIAL STRESS 2 3 4 use SHEAR STRESS

TANK TRUCKS BT TRUCKS TANK TRUCKS (Con.)
WHEELED VEHICLES WHEELED VEHICLES

RT--CARGO VEHICLES

INDUSTRIAL VEHICLES

--MILITARY VEHICLES

--ROAD VEHICLES TANKER SHIPS BT SHIPS
RT CONTAINERSHIPS
SUPERSHIPS

TANKS (COMBAT VEHICLES)
BT COMBAT VEHICLES
MILITARY VEHICLES
OFF-ROAD VEHICLES TRACKED VEHICLES

TANKS (CONTAINERS) 1 2 3 4
BT--CONTAINERS
NT FUEL TANKS
STORAGE TANKS
WATER TANKS
WATER TANKS RT--CYLINDERS RESERVOIRS -- TOWERS

TANTALUM 6 BT METALS

TAPER 1 RT--TRANSITIONS (HYDRAULICS)

TAPES MAGNETIC TAFES PUNCHED TAPES VIDEO TAPES RT DATA PROCESSING DATA STORAGE DATA TRANSMISSION

TAR CEMENTS use BITUMINOUS CEMENTS

TAR CONCRETE 1 2 3 5
use BITUMINOUS CONCRETES

AR RUBBER 2 5 use RUBBERIZED TAR TAR RUBBER

TAR RUBBER PAVEMENTS 2 5
use RUBBERIZED-TAR PAVEMENTS

TARGET RECOGNITION 4 BT DETECTION RT TARGETS

TARGET VULNERABILITY 4
RT BLAST RESISTANT STRUCTURES
--PORTIFICATIONS HARDENED INSTALLATIONS HARDENING (SYSTEMS) TARGETS

TARGETS TARGET RECOGNITION TARGET VULNERABILITY

ARS 2 5 NT COAL TAR RUBBERIZED TAR RT--ASPHALTS --BITUMENS CREOSOTES

TAXIWAYS 2 3 5
NOTE: Prepared strips for the passage of aircraft on the ground to and from the runway and parking areas
RT-AIRCRAFT LANDING AREAS
AIRCRAFT LOADS
AIRPIELD CONSTRUCTION --AIRFIELDS

TAXIWAYS (Con.)
AIRPORT CONSTRUCTION AIRPORT CONSTRUCTION
AIRPORTS
APRONS (AERONAUTICS)
LANDING FIELD CONSTRUCTION
--LANDING FIELDS
--LANDING MATS
MEMBRANE CONSTRUCTION
MEMBRANES (AIRPIELDS)
OVERRUN BLAST AREAS
PARKING AREAS
--PAVEMENTS
PAUNG PAVING --RUNWAYS

TAXONOMY 7
NOTE: Science of classification NOTE: Science of classification of organisms; arrangement of organisms into systematic groupings such as species, genus, family, and order UF SYSTEMATICS

TECHNICAL SOCIETIES UF ENGINEERING SOCIETIES SCIENTIFIC SOCIETIES RT ENGINEERING RESEARCH

TECHNICAL WRITING 6
RT REPORT PREPARATION

TECHNOLOGICAL FORECASTING BT FORECASTING RT TECHNOLOGY

TECHNOLOGY RT--DESIGN SCIENCE TECHNOLOGICAL FORECASTING

TECTONIC MAPS 2
NOTE: Maps covering large
areas on which are shown
areas or lines of major areas or lines of major
structural features produced
by uplift, downwarp, or
faulting
BT MAPS
RT--GEOLOGIC STRUCTURES
STRUCTURAL GEOLOGY
STRUCTURAL MAPS
TECTONICS

TECTONICS

TECTONICS 2 3
NOTE: Study of rock deformation
produced by forces generated
within the earth
BT GEODYNAMICS GEOLOGY RT--DIATROPHISM

--DIATROPHISM
DYNAMIC GEOLOGY
--EARTH MOVEMENTS
FAULTS AND FAULTING (GEOLOGY)
--FOLDS AND FOLDING (GEOLOGY)
FRACTURES AND FRACTURING
(GEOLOGY)
GEANTICLINES
--GEOLOGIC STRUCTURES GEOPHYSICS GEOSYNCLINES

JOINTS AND JOINTING (GEOLOGY) OROGENY STRUCTURAL GEOLOGY TECTONIC MAPS
THRUSTS AND THRUSTING
(GEOLOGY) VOLCANISM

TEE LOSSES RT VELOCITY HEAD

RT PIPE FITTINGS --PIPES

TEKTITES 2
NOTE: Small rounded stony
mass, consisting almost
exclusively of glass; probably
of meteoritic origin
RT METEORITES UF COMMUNICATION 2 6 7
UF COMMUNICATION SYSTEMS
NT RADIO COMMUNICATION
TELEMETRY
TELEVISION TELECOMMUNICATION RT--ANTENNAS -- COMPUTERS COMPOTERS ELECTRICAL ENGINEERING INFORMATION SYSTEMS INFORMATION THEORY PULSE TECHNIQUES (ELECTRONICS) REMOTE CONTROL REMOTE SENSING TRANSMISSION LINES TELEMETERS use TELEMETRY SYSTEMS TELEMETRY 1 4 6 7

NOTE: Science involved with
measuring a quantity or
quantities, transmitting this
value to a station, and there
interpreting, indicating, or
recording the quantities
BT TELECOMMUNICATION RT--CONTROL EQUIPMENT
DATA TRANSMISSION
--ELECTRONIC EQUIPMENT
--MEASUREMENT --MEASURING INSTRUMENTS RADIO COMMUNICATION RADIOSONDES REMOTE CONTROL REMOTE SENSING -SURVEYING TAGGING
TELEMETRY SYSTEMS
TRACKING TECHNIQUES TELEMETRY SYSTEMS 1 6

UF TELEMETERS
RT DATA COLLECTION SYSTEMS
DATA TRANSMISSION
DATA TRANSMISSION SYSTEMS
--MEASURING INSTRUMENTS
MICROWAVES TELEMETRY -- TRANSDUCERS TELESCOPES 6
BT OPTICAL INSTRUMENTS
NT RADIO TELESCOPES
RT ASTRONOMY LENSES TELEVISION 1 6
UF VIDEO
BT TELECOMMUNICATION
NT UNDERWATER TELEVISION
RT COAXIAL CABLES
--PHOTOGRAPHIC EQUIPMENT
RADIO COMMUNICATION
TELEVISION RECONNAISSANCE
TELEVISION TRANSMISSION TELEVISION RECONNAISSANCE BT RECONNAISSANCE RT TELEVISION

TELEVISION TRANSMISSION 6
BT ELECTROMAGNETIC WAVE
TRANSMISSION
WAVE PROPAGATION

TELEVISION TRANSMISSION (Con.) RT RADIO TRANSMISSION TELEVISION ELLUROMETERS 2 NOTE: Radar instruments used for distance measurements TELLUROMETERS in surveying
BT MEASURING INSTRUMENTS
SURVEYING INSTRUMENTS TEMPERATE REGIONS
BT ENVIRONMENTS
REGIONS 2 5 CLIMATIC ANALOGS CLIMATOLOGY OCOGRAPHY TEMPERATURE 1 2 3 4 5
UF ABSOLUTE TEMPERATURE
AMBIENT TEMPERATURE
NT AIR TEMPERATURE
CONCRETE TEMPERATURE
HIGH TEMPERATURE LOW TEMPERATURE OCEAN TEMPERATURE OCEAN TEMPERATURE
SOIL TEMPERATURE
SOIL TEMPERATURE
SURFACE TEMPERATURE
WATER TEMPERATURE
AIR CONDITIONING
-CLIMATOLOGY
CONDENSATION CONDENSATION COOLING CRYOGENICS DEGREE DAYS ENERGY BALANCE -- ENVIRONMENTS -- EVAPORATION FREEZING INDEX GAS LAWS GEOTHERMOMETRY --HEAT --HEAT BUDGET
--HEAT LOSS
HEAT MEASUREMENT
HEAT TRANSFER HEATING HIGH TEMPERATURE TESTS HUMIDITY
LOW TEMPERATURE TESTS
MELTING POINTS
METEOROLOGICAL DATA --METEOROLOGY PYROMETERS REFRIGERATING
--REGIONS
ROCK MELTING
TEMPERATURE CONTROL
TEMPERATURE DISTRIBUTION
TEMPERATURE EFFECTS
TEMPERATURE LOGGING
TEMPERATURE MEASUREMENT
--TEMPERATURE MEASURING
INSTRUMENTS
TEMPERATURE PROPILES
THAWING TINSTRUMENTS
TEMPERATURE PROPILES
THAWING
--THEFMAL ANALYSIS
THEEMAL CONDUCTIVITY
THEEMAL EXPANSION
THERMAL GRADIENTS
THERMAL INSULATION
--THERMAL MEASUREMENTS
--THERMAL PROPERTIES
THERMAL RESISTANCE
THERMAL RESISTANT STRUCTURES
THERMAL STRUCTURES
THERMAL STRATIFICATION
THERMAL STRATIFICATION
THERMAL STRATIFICATION
THERMAL STRATIFICATION
THERMAL STRATIFICATION
THERMAL STRATIFICATION
THERMAL WATERS
THERMAL WATERS
THERMOCLINES TEMPERATURE (Con.)
THERMODYNAMICS
THERMOMETERS TEMPERATURE LOGGING (Con.) BT LOGGING
RT ELECTRICAL RESISTIVITY VAPOR PRESSURE VENTILATION TEMPERATURE TEMPERATURE MEASUREMENT 6
UF PYROMETRY
THERMOMETRY
BT MEASUREMENT WEATHER FORECASTING TEMPERATURE CONTROL 1 2 3 4 5 6 7
RT AIR CONDITIONING
--AUTOMATIC CONTROL
COOLING PYROMETERS -- TEMPERATURE COOLING
COOLING (CONCRETE)
COOLING SYSTEMS
ENVIRONMENTAL ENGINEERING
FROST PROTECTION
HEAT MEASUREMENT
HEAT SHIELDING TEMPERATURE MEASURING INSTRUMENTS
BT MEASURING INSTRUMENTS
THERMAL MEASURING
INSTRUMENTS
NT--THERMOMETERS
RT CALORIMETERS -HEATING HIGH TEMPERATURE TESTS HUMIDITY CONTROL
-ICE CONTROL
ICE PREVENTION
LOW TEMPERATURE TESTS
PNEUMATIC INSTRUMENTS
PROCESS CONTROL HEAT MEASUREMENT PSYCHROMETERS --TEMPERATURE
TEMPERATURE CONTROL
--THERMAL MEASUREMENTS
THERMOCOUPLES PYROMETERS
REMOTE CONTROL
--TEMPERATURE
TEMPERATURE DISTRIBUTION
TEMPERATURE MEASURING
INSTRUMENTS TEMPERATURE PROFILES 6 RT TEMPERATURE TEMPERATURE RISE (CONCRETE)
RT CONCRETE TEMPERATURE
COOLING (CONCRETE)
LOW HEAT CEMENTS THERMAL INSULATION
-THERMAL MEASUREMENTS
THERMODYNAMICS MASS CONCRETE THERMOMETERS TENDONS NDONS 2 3 4 use PRESTRESSING STEELS THERMOSTATS VENTILATION TENSILE MODULUS 2 3 4
use MODULUS OF DEFORMATION
MODULUS OF ELASTICITY TEMPERATURE DISTRIBUTION 1 2 3 4 6 COOLING ENVIRONMENTAL ENGINEERING HEAT TRANSMISSION TENSILE PROPERTIES 2 3 4 6
BT MECHANICAL PROPERTIES
NT--TENSILE STRENGTH
TENSILE STRENGTH (CONCRETE)
TENSILE STRENGTH (ROCK)
TENSILE STRENGTH (SOILS)
UNIAXIAL TENSILE STRENGTH
RT BAUSCHINGER EFFECT HEATING --TEMPERATURE TEMPERATURE CONTROL
--THERMAL SHOCK
THERMAL STRESSES VENTILATION TEMPERATURE EFFECTS 1 2 3 4 5 7 RT CONTROL JOINTS
FATIGUE (MATERIALS)
FREEZE-THAW
--FROST ACTION BRITTLENESS
CHORD MODULUS
--COMPRESSIVE PROPERTIES
--CREEP PROPERTIES DUCTILITY
ELASTIC LIMIT
FATIGUE (MATERIALS)
FRACTURE PROPERTIES --HEAT ICE PREVENTION JET BLAST RESISTANT MATERIALS --HARDNESS --HYDROSTATIC TESTS -TEMPERATURE THAWING THAWING
THERMAL ANALYSES
THERMAL CONDUCTIVITY
THERMAL EXPANSION
--THERMAL PROPERTIES
THERMAL STRESSES
THERMODYNAMICS
WEATHERING (GEOLOGY) --HYDROSTATIC TESTS
HYSTERESIS
IMPACT STRENGTH
INDIRECT TENSILE STRENGTH
TESTS (ROCK)
INITIAL TANGENT MODULUS
--MODULUS OF DEPORMATION
--MODULUS OF DEPORMATION
POISSON RATIO
BESULUEMME RESILIENCE SECANT MODULUS --SHEAR PROPERTIES STIFFNESS TEMPERATURE GRADIENTS 3
use THERMAL GRADIENTS EMPERATURE INVERSIONS 1 6 7
NOTE: Increase in air temperature
with an increase of altitude,
instead of the normal decrease
UF INVERSIONS (TEMPERATURE)
RT AIR POLLUTION
METEOROLOGICAL DATA
SMOG TEMPERATURE INVERSIONS --STRAINS STRESS RELAXATION --STRESS-STRAIN RELATIONS --STRESSES TANGENT MODULUS TENSILE STRESS SMOG -- TENSION THERMAL STRATIFICATIONS TENSION CRACKS -- TENSION TESTS TOUGHNESS TEMPERATURE LOGGING 1 UF GEOTHERMAL LOGGING

TENSILE PROPERTIES (Con.)
YIELD POINT
YIELD STRENOTH TENSILE STRESS (Con.) STRESSES
COMPRESSIVE STRESS
CONCRETE STRESSES
DEVIATOR STRESS TENSILE SPLITTING STRENGTH 3
use SPLITTING TENSILE STRENGTH FATIGUE TESTS
--HYDROSTATIC TESTS --HYDROSTATIC TESTS
INDIRECT TENSILE STRENGTH
TESTS (ROCK)
--MODULUS OF DEPORMATION
--MODULUS OF ELASTICITY
PRINCIPAL STRESS
RADIAL STRESS
SHEAR STRESS
--TENSILE PROPERTIES
--TENSILE STRENGTH
--TENSION NSILE STRENGTH 2 3 4 6 BT MECHANICAL PROPERTIES TENSILE PROPERTIES TENSILE STRENGTH TENSILE PROPERTIES
NT SPLITTING TENSILE STRENGTH
TENSILE STRENGTH (CONCRETE)
TENSILE STRENGTH (SOCK)
TENSILE STRENGTH (SOCK)
UNIAXIAL TENSILE STRENGTH
--COMPRESSIVE STRENGTH
--CREP PROPERTIES
ELASTIC LIMIT
ELASTICITY
--FLEXURAL STRENGTH --TENSION TENSION TESTS
TOTAL STRESS
UNIAXIAL TENSION TESTS ELASTICITY
-FLEXURAL STRENGTH
FRACTURE PROPERTIES
HYDROSTATIC COMPRESSION TESTS
HYDROSTATIC TESTS
-MODULUS OF ELASTICITY
MODULUS OF RUFTURE TENSILE TESTS 1 2 3 4 ENSIGNETERS 1 2 3

NOTE: Instruments which measure
surface tension of a liquid

BT MEASURING INSTRUMENTS
STRAIN MEASURING INSTRUMENTS
RT CAPILLARIMETERS
EXTENSOMETERS
MOISTURE SUCTION DE TENSIOMETERS MODELS OF RUPIDHE
-SHEAR STRENGTH
SPALLING
STRENGTH OF MATERIALS
-STRENGTH THEORIES
STRESS-STRAIN CURVES
TENSILE STRESS TENSILE STRESS
--TENSION
--TENSION TESTS
TRIAXIAL TENSION
ULTIMATE STRENGTH
ULTIMATE STRENGTH METHOD
YIELD POINT
YIELD STRENGTH MOISTURE SUCTION RELATIONSHIP (SOILS) --STRAIN GAGES STRAIN MEASUREMENT SURFACE TENSION --TENSION TESTS ENSION 1 2 3 4 6

NT DIAGONAL TENSION
SURFACE TENSION
TRIAXIAL TENSION
RT--COMPRESSION
--DEFORMATION
FRACTURE MECHANICS TENSION TENSILE STRENGTH (CONCRETE) 2 3 4
BT CONCRETE PROPERTIES
CONCRETE STRENGTH
MECHANICAL PROPERTIES
TENSILE PROPERTIES
TENSILE STRENGTH TENSILE STRENOTH
COMPRESSIVE STRENOTH (CONCRETE)
CONCRETE CRACKING
CONCRETE CREEP
DIRECT TENSILE STRENOTH
TESTS (CONCRETE)
PLEXURAL STRENOTH (CONCRETE)
INDIRECT TENSILE STRENOTH
TESTS (CONCRETE)
SHEAR STRENOTH (CONCRETE) --STRAINS STRENGTH OF MATERIALS STRENGTH OF MATERIA
-STRESSES
-TENSILE PROPERTIES
-TENSILE STRENGTH
TENSILE STRESS
TENSION CRACKS
-TENSION TESTS TENSION CRACKS 2 3 4 5 RT BASE FAILURES --DAM FAILURES TENSILE STRENGTH (ROCK) 2 BT MECHANICAL PROPERTIES ROCK PROPERTIES ROCK STRENGTH -- DEFLECTION
-- DEFORMATION TENSILE PROPERTIES
TENSILE STRENGTH
CLEAVAGE STRENGTH (ROCK)
COMPRESSIVE STRENGTH (ROCK)
DIAMETRAL COMPRESSION TESTS DISTORTION (STRUCTURAL) EMBANKMENT CRACKING FAILURE (MECHANICS) FATIGUE (MATERIALS) --LANDSLIDES
--MECHANICAL PROPERTIES
--PAVEMENT PAILURES
SETTLEMENT RECORDS (ROCK.) PLEXURAL STRENGTH (ROCK)
INDIRECT TENSILE STRENGTH
TESTS (ROCK)
SHEAR STRENGTH (ROCK) SHEAR CRACKS
SHEAR CRACKS
SLOPE FAILURES
SLOPE STABILITY
-SLOPE STABILITY ANALYSIS
STRUCTURAL BEHAVIOR
-TENSILE PROPERTIES UNIAXIAL TENSION TESTS TENSILE STRENUTH (SOILS) 28
BT MECHANICAL PROPERTIES
SOIL PROFERTIES
SOIL STRENOTH
TENSILE PROPERTIES
TENSILE STRENOTH
RT COMPRESSIVE STRENOTH -- TENSION -- TENSION TESTS TOE FAILURES TENSION PILES 2
use UPLIFT PILES (SOILS)
PLEXURAL STRENGTH (SOILS)
--SHEAR STRENGTH (SOILS) TENSION TESTS 1 2 3 4

UF TENSILE TESTS

NT DIRECT TENSILE STRENGTH

TESTS (CONCRETE)

TENSILE STRESS 2 3 4 BT NORMAL STRESS

TENSION TESTS (Con.)

INDIRECT TENSILE STRENGTH
TESTS (CONCRETE)
INDIRECT TENSILE STRENGTH
TESTS (ROCK)
UNIAXIAL TENSION TESTS (ROCK)

RT--COMPRESSION TESTS
CONCRETE CREEP TESTS
-CREEP TESTS
DUCTILITY
DYNAMOMETERS
ELASTIC LIMIT
FATIGUE (MATERIALS)
FATIGUE TESTS
HIGH TEMPERATURE TESTS
-HYDROSTATIC TESTS
-HYDROSTATIC TESTS
LOW TEMPERATURE TESTS
-MODULUS OF ELASTICITY
PLASTICITY TESTS
POISSON RATIO
RADIATION TESTS
-SHEAR TESTS
SPLITTING TENSILE STRENGTH
-STATIC TESTS
-STRAINS
STRESS RELAXATION TESTS
STRESS SELITAIN CURVES
-STRESS TENSILE STRENGTH
TENSILE STRENGTH
TENSILE STRESS
TENSIOMETERS
-TENSILE STRENGTH
TENSILE STRESS
TENSIOMETERS
-TENSION CRACKS
TRIAXIAL TENSION
YIELD POINT

TENSOR ANALYSIS 1 2 6
RT DIFFERENTIAL GEOMETRY
--GEOMETRY
GRAPHICAL METHODS
LINEAR ALGEBRA
MATRICES (MATHEMATICS)
--NUMERICAL ANALYSIS
TENSORS
VECTOR ANALYSIS

TENSOR NOTATION 1 use TENSORS

TENSORS 1 6
UF TENSOR NOTATION
BT ALGEBRA
LINEAR ALGEBRA
RT TENSOR ANALYSIS
VECTOR ANALYSIS

TERMINAL BALLISTICS 4
BT BALLISTICS
RT--BOMBS (ORDNANCE)
PENETRATION
UNDERWATER BALLISTICS
WEAPON FRAGMENTATION

TERMINAL FACILITIES 4
NT FREIGHT TERMINALS
MARINE TERMINALS
RAILFOAD TERMINALS
RT--MILITARY FACILITIES

TERMINOLOGY 5 6
RT GLOSSARIES
SUBJECT INDEX TERMS

TERRA TIRES 5
BT PNEUMATIC TIRES
TIRES

TERRACE DEPOSITS 2
BT ALLUVIUM
GEOLOGICAL DEPOSITS
RT ALLUVIAL STREAMS
--GRAVELS

TERRACE DEPOSITS (Con.)
--SANDS
--TERRACES

TERRACES 2
NOTE: Nearly level strips of land with a more or less abrupt descent along the margin of the sea, lake, or river
NT LAKE TERRACES
MARINE TERRACES
PHYSIOGRAPHIC TERRACES
RIVERINE TERRACES
STRUCTURAL TERRACES
(GEOLOGY)

(GEOLOGY)
RT--BERMS
--GEOMORPHOLOGY
TERRACE DEPOSITS

TERRADYNAMICS 2 4 5
NOTE: Study of projectile
penetration in earth
materials
RT--AERIAL PENETROMETERS
--PENETRATION RESISTANCE
PENETRATION RESISTANCE
(SOILS)
SOIL DYNAMICS
SOIL PENETRATION
--SOIL PENETRATION

TERRAIN 1 2 5 6 7

NT BEACH TERRAIN

LAND-WATER INTERFACE

--LUNAR TERRAIN

--SURFACE COMPOSITION

--SURFACE GEOMETRY

RT EARTH SURFACE

--ENVIRONMENTS

--GEOMETRY

GEOMORPHOLOGY

HYDRAULIC GEOMETRY

HYDROLOGIC GEOMETRY

--LAND

LAND USE

RICE FIELDS

STATE OF THE GROUND

TERRAIN ANALOGS

TERRAIN ANALOGS

TERRAIN ANALYSIS

--TERRAIN CLASSIFICATION

--TERRAIN CLASSIFICATION

--TERRAIN FACTORS

--TERRAIN FACTORS

--TERRAIN MAPS

TERRAIN MAPS

TERRAIN MAPS

TERRAIN SHIELDING

TOP OGRAPHY

TERRAIN ANALOGS
RT COMPARISON
SIMILITUDE
--TERRAIN

TERRAIN ANALYSIS 1 2 5 6

NOTE: Process of interpreting
a geographical area to
determine the effect of the
natural and man-made features
on military operations
BT ENVIRONMENTAL ANALYSIS
RT AERIAL SURVEYS
AIRPHOTO INTERPRETATION
BORDER SECURITY
DAM SITES
ENGINEERING INTELLIGENCE
--EXPLORATION
--GEOMORPHOLOGY
--INTELLIGENCE
--MAPS
MILITARY ENGINEERING
MILITARY GEOGRAPHIC
INTELLIGENCE
MILITARY GEOGRAPHIC
INTELLIGENCE
MILITARY GEOLOGY

TERRAIN ANALYSIS (Con.)
PHOTOGRAMMETRY
--PHOTOGRAPHY
--PHOTOINTERPRETATION TERRAIN MAPPING 2 5 MAPPING
HYDROLOGIC GEOMETRY MAPPING MICROGEOMETRY MAPPING --REGIONS
REMOTE SENSING
SEISMIC INVESTIGATIONS
--SURVEYING SOIL MAPPING -SURPACE COMPOSITION MAPPING SURPACE GEOMETRY MAPPING VEGETATION MAPPING INFRARED MAPPING --SURVEYING
--TERRAIN
--TERRAIN CLASSIFICATION
TERRAIN FACTOR MAPS
--TERRAIN MAPPING
TERRAIN MODELS (ANALYTICAL)
TERRAIN SHIELDING LEVELING
PHOTOGRAMMETRY
REMOTE SENSING
--SURVEYING --SURVEYING
--SURVEYING INSTRUMENTS
TERRAIN ANALYSIS
TERRAIN FACTOR MAPS
--TERRAIN MAPS
TOPOGRAPHIC MAPS --TOPOGRAPHY
--TRAFFICABILITY
TUNNEL DETECTION
VEGETATION SURVEYS --TOPOGRAPHY
TRAFFICABILITY MAPPING
TRIANGULATION TERRAIN CLASSIFICATION 5
UF LAND CLASSIFICATION
BT CLASSIFICATIONS
NT HYDROLOGIC GEOMETRY
CLASSIFICATION
MICROGEOMETRY CLASSIFICATION
SNOW CLASSIFICATION
SOUL CLASSIFICATION TERRAIN MAPS 5
BT MAPS
NT SOIL MAPS SOIL MAPS
TERRAIN PACTOR MAPS
TOPOGRAPHIC MAPS
TOPOGRAPHIC MAPS
TRAFFICABILITY MAPS
VEGETATION MAPS
AERIAL PHOTOGRAPHS
SOIL STRENGTH MAPS
--TERRAIN
--TERRAIN MAPPING -SOIL CLASSIFICATION
-SURFACE COMPOSITION
CLASSIFICATION
SURFACE GEOMETRY CLASSIFICATION
VEGETATION CLASSIFICATION
HYDRAULIC GEOMETRY
HYDROLOGIC GEOMETRY TERRAIN MODELS (ANALYTICAL)
BT ENVIRONMENTAL MODELS
(ANALYTICAL)
MATHEMATICAL MODELS
MODELS LAND USE -TERRAIN 5 6 TERRAIN ANALYSIS
--TERRAIN FACTORS TRAFFICABILITY CLASSIFICATION RT COMPUTERIZED MODELS
--MILITARY OPERATIONS
MOBILITY MODELS TERRAIN DATA 5 BT DATA
NT HYDROLOGIC DATA
SOIL DATA -- OPERATIONS RESEARCH --TERRAIN TERRAIN ANALYSIS TRAFFICABILITY DATA CLIMATOLOGICAL DATA METEOROLOGICAL DATA -- TERRAIN SHIELDING TERRAIN ROUGHNESS
use MICROGEOMETRY -TERRAIN AIN FACTOR MAPS
MAPS
TERRAIN MAPS
MICROGEOMETRY MAPPING
SOIL MAPS
SOIL STRENGTH MAPS
--TERRAIN
TERRAIN ANALYSIS
--TERRAIN FACTORS
--TERRAIN MAPPING
TOPOGRAPHIC MAPS
VEGETATION MAPS SURFACE GEOMETRY TERRAIN FACTOR MAPS TERRAIN SHIELDING 6
RT--TERRAIN
TERRAIN ANALYSIS
TERRAIN MODELS (ANALYTICAL) TERRAIN TRAFFICABILITY 2 5
use TRAFFICABILITY TERRAIN-VEHICLE INTERACTION 5
UF VEHICLE-TERRAIN INTERACTION
RT OFF-ROAD MOBILITY
RIDE DYNAMICS
--SOIL-VEHICLE INTERACTION
--TRAFFICABILITY
VEHICLE ANGLE OF BREAK
--VEHICLE PERFORMANCE
--VEHICLE TESTS TERRAIN FACTORS ERRAIN FACTORS 5
NOTE: Specific attributes of
the terrain that can be
described in quantitative described II.

terms

UF FACTOR CLASS
FACTOR FAMILY
FACTOR VALUE

BT ENVIRONMENTAL FACTORS

NT-HYDROLOGIC GEOMETRY FACTORS
--OBSTACLES
CTHFAM VELOCITY TERRASTAR LOCOMOTION CONCEPT 5
BT CONCEPTS BT CONCEPTS
RT--AMPHIBIOUS VEHICLES
OFF-ROAD MOBILITY
--OFF-ROAD VEHICLES
--UNCONVENTIONAL VEHICLES -- OBSTACLES
STREAM VELOCITY
SURFACE COMPOSITION FACTORS
-- SURFACE GEOMETRY FACTORS
-- VEGETATION FACTORS
RT--METEOROLOGICAL FACTORS
MICROGEOMETRY -- WHEELED VEHICLES TERRAZZO 3 RT--CONCRETES TERRESTRIAL HABITATS 7 --TERRAIN
--TERRAIN CLASSIFICATION
TERRAIN FACTOR MAPS BT HABITATS RT AQUATIC HABITATS FORESTS GRASSLANDS

TEST EQUIPMENT (Con.) TERRESTRIAL HABITATS (Con.)
INTERTIDAL ZONE --WETLANDS WILDLIFE HABITATS TERRESTRIAL MAGNETISM USE GEOMAGNETISM 1 2 TERRESTRIAL RADIATION 6
BT RADIATION ENHITORIAL SEAS 7
NOTE: Zone of waters along
a coast that a country
considers to be within its
jurisdiction
UF TERRITORIAL WATERS
RT OCEANS TERRITORIAL SEAS TERRITORIAL WATERS 7
use TERRITORIAL SEAS TERTIARY PERIOD 2
BT CENOZOIC ERA
NT EOCENE EPOCH
MIOCENE EPOCH OLIGOCENE EPOCH PALEOCENE EPOCH PLIOCENE EPOCH TERTIARY TREATMENT 7
NOTE: Waste water treatment
beyond the secondary or
biological state that
includes removal of nutrients
and produces a high quality
effluent
UF ADVANCED WASTE TREATMENT
BT SEWAGE TREATMENT
WASTE TREATMENT
RT ACTIVATED CARBON TREATMENT
COAGULATION
DISTILLATION
ELECTRICAL TERTIARY TREATMENT DISTILLATION ELECTRODIALYSIS ION EXCHANGE NUTRIENTS REVERSE OSMOSIS
SANITARY ENGINEERING
WASTE WATER TREATMENT TERYLENE (TRADEMARK)
use POLYESTER FIBERS TEST CANALS CANALS AQUATIC WEEDS CANAL LININGS -EROSION --EHOSION
--FIELD TESTS
MANNING EQUATION
OPEN CHANNEL FLOW
--OPEN CHANNELS ROUGHNESS COEFFICIENT -SEEPAGE TURBULENT FLOW WEED CONTROL TEST EMBANKMENTS BT EMBANKMENTS

RT--COMPACTED FILLS

COMPACTION CONTROL (SOILS)

COMPACTION TEST FILLS

-EARTH DAMS

HIGHWAY EMBANKMENTS TEST EQUIPMENT 1 2 3 4 5 6 7
UF TESTING APPARATUS
TESTING EQUIPMENT
TESTING MACHINES
NOTE: Use of a more specific
term is recommended; consult
the terms 1 isted below and
under INSTRUMENTATION
ALBROPME EQUIPMENT

AIRBORNE EQUIPMENT

BEARINGS COMPRESSION TESTS CONTROL EQUIPMENT
ELECTRICAL EQUIPMENT
FIELD LABORATORIES
FIELD TESTS
HYDRAULIC MODELS
MEASURING INSTRUMENTS MILITARY EQUIPMENT MILITARY EQUIPMENT
MODELS
NUCLEAR EQUIPMENT
OPTICAL INSTRUMENTS
RADAR EQUIPMENT
RECORDING INSTRUMENTS SAMPLERS SENSORS SHEAR EQUIPMENT TEST FACILITIES TEST PROCEDURES TESTS
TIRE TEST EQUIPMENT
WIND TUNNELS TEST FACILITIES 1 2 3 4 5
NOTE: Use of a more specific
term is recommended; consult
the terms listed below
FIELD LABORATORIES
HUMID ROOMS
HYDRAULIC LABORATORIES
HYDRAULIC MODELS
LABORATORIES
MISSILE BASES
MISSILE BASES
PROVING GROUNDS
QUALITY CONTROL
REFERENCE TEST AREAS REFERENCE TEST AREAS RESEARCH FACILITIES SIMULATORS TEST CANALS TEST EQUIPMENT TESTS
WATER WAVE TANKS
WIND TUNNELS HOLES 2 ACCESSIBLE BORING ADITS AUGER BORING TEST HOLES AUGER BORING
BOREHOLES
DRILLING FLUIDS
EXPLORATORY PITS
EXPLORATORY TRENCHES
EXPLORATORY WELLS
FOUNDATION INVESTIGATIONS
SOUNDING METHODS (SOILS)
--SUBSURFACE EXPLORATION TEST METHODS ST METHODS 1 2 3 4 5 6 7 TEST PITS 2
use EXPLORATORY PITS TEST PLANS 5

UF PLAN OF TESTS

RT--FIELD TESTS

PROJECT PLANNING

--REQUIREMENTS TEST PROCEDURES
TEST TECHNIQUES -- VEHICLE TESTS EST PROCEDURES 1 2 3 4 5 6 7

UF TEST METHODS
TACCEPTANCE TESTS
--AGGREGATE TESTS
--FIELD TESTS
HARDNESS TESTS
--INDEX TESTS TEST PROCEDURES -- INDEX TESTS
LABORATORY MANUALS
MARSHALL METHOD -- MEASUREMENT

TEST PROCEDURES (Con.)
--MODEL TESTS
--NONDESTRUCTIVE TESTS
PROJECT PLANNING
PROTOTYPE TESTS
--QUALITY CONTROL
--ROCK TESTS (LABORATORY)
--SAMPLING TESTS (Con.)
CHEMICAL RESISTANCE TESIS
CHEMICAL TESTS
CLAY LUMP TESTS COMPACTION TESTS
COMPRESSION TESTS
COMPRESSION TESTS
CONCRETE CREEP TESTS
CONCRETE TESTS
CONCRETE TESTS
CONCRETE TESTS --SHEAR TESTS --SOIL TESTS (LABORATORY) TEST PLANS --VEHICLE TESTS COME PENETRATION TESTS
CONSISTENCY TESTS
CORROSION TESTS
CRACK RESISTANCE TESTS
CREEP TESTS
DENSITY TESTS (CONCRETE)
DILATION TESTS
DIRECT TENSILE STRENGTH
TESTS (CONCRETE)
DRAWBAR PULL
DROP TESTS (WEAPONS)
DRYING SHRINKAGE TESTS
DURABILITY TESTS
DYNAMIC PENETRATION TEST: TEST ROADS BT ROADS RT FIELD TESTS -- PAVEMENTS -- RIGID PAVEMENTS TEST SPECIMENS 2 3

NT CONCRETE TEST SPECIMENS
ROCK TEST SPECIMENS
SOIL TEST SPECIMENS
RT--CORES DYNAMIC PENETRATION TESTS (FIELD) (FIELD)
DYNAMIC TESTS
EARLY STIFFENING TESTS
ENDURANCE TESTS (VEHICLES)
EXPANSION TESTS
FATIGUE TESTS
FIELD CONTROL TESTS (SOILS)
FIELD PERMEABILITY TESTS
FIELD TESTS
FILLTE TESTS
FILTER TESTS --QUALITY CONTROL
--SAMPLERS --SAMPLING SPECIMEN DRAINS TEST TECHNIQUES ST TECHNIQUES 5 RT--FIELD TESTS LABORATORY MANUALS PROJECT PLANNING
--SOIL TESTS (LABORATORY)
TEST PLANS
--VEHICLE TESTS FILTER TESTS FIRE TESTS FLEXURAL TESTS (CONCRETE)
FLOW TABLE TESTS (MORTARS)
FLOW TESTS (BITUMINOUS
MATERIALS) TEST TRENCHES 2
use EXPLORATORY TRENCHES MATERIALS)
FLOW THROUGH TESTS
FROST SUSCEPTIBILITY TESTS
GALVANIC CORROSION TESTS
GAS ANALYSIS
GRAIN SIZE ANALYSIS
GYATORY COMPACTION TESTS
HARDENING RATE TESTS
HARDNESS TESTS
HEAT FLOW TESTS
HIGH TEMPERATURE TESTS
HUBBARD-FIELD METHOD
HYEEM METHOD TESTING 1 2 3 4 5 6 7 use TESTS ESTING APPARATUS 1 2 3 4 5 6 7 use TEST EQUIPMENT TESTING APPARATUS TESTING EQUIPMENT 1 2 3 4 5 use TEST EQUIPMENT TESTING LABORATORIES 1 2 3 4 5 6 HUBBARD-FILLD METHOD
HVEEM METHOD
HVEEM METHOD
HYDRAULIC MODELS
HYDROMETER ANALYSIS
HYDROSTATIC COMPRESSION TESTS
HYDROSTATIC TESTS
IMMERSION TESTS (CORROSION)
IMPACT HAMMER TESTS
INDEX TESTS
INDEX TESTS
INDIRECT TENSILE STRENGTH
TESTS (CONCRETE)
INSPECTION
JACKING TESTS use LABORATORIES TESTING MACHINES 1 2 3 4 5 6 7 use TEST EQUIPMENT TESTS 1 2 3 4 5 6 7
UF TESTING
NOTE: Use of a more
specific term is recommended;
consult the terms listed below
AASHO ROAD TEST
ABRASION TESTS
ABRASION TESTS ABBORPTION TESTS
ACCELERATED TESTS
ACCELERATED TRAFFIC TESTS
ACCEPTANCE TESTS
ACID RESISTANCE TESTS
ADIABATIC TEMPERATURE JACKING TESTS
KNEADING COMPACTION TESTS LABORATORIES LABORATORY TESTS LENGTH CHANGE TESTS
LOAD TESTS
LOAD TESTS (FOUNDATIONS)
LOAD TESTS (PAVEMENTS) ADIABATIC TEMPERATURE
RISE TESTS
AGGREGATE TESTS
AUGREGATE TESTS
ALKALI RESISTANCE TESTS
AQUIFER TESTS
ASPHALT TESTS
ATTERBERG LIMITS TESTS
AUTOCLAVE TESTS
BALL PENETRATION TESTS
BEND TESTS
BLEEDING TESTS (CONCRETE)
BOND-TO-STEEL TESTS
CALIPORNIA BEARING RATIO
TESTS LOGGING
LOW TEMPERATURE TESTS
MARSHALL METHOD
MEASUREMENT MEASUREMENT
MODEL TESTS
NONDESTRUCTIVE TESTS
NORMAL CONSISTENCY TESTS
NUCLEAR METHODS
PENETRATION TESTS
PERFORMANCE TESTS
PERFORMANCE TESTS (CONCRETE)
PERFORMANCE TESTS (VEHICLES)
PERMEABILITY TESTS
THE TESTS TESTS CHANNELIZED TRAFFIC TESTS

· 人名

CHEMICAL ANALYSIS

TESTS (Con.)
PILE TESTS
PIPE TESTS
PLASTICITY TESTS
PLATE BEARING TESTS
PLATE SINKAGE TESTS
PORTLAND CEMENT PHYSICAL TETRAPODS (Con.)
BT ARMOR UNITS
--BREAKWATERS TETRYL 4
UP TRINITROPHENYLMETHYLNITRAMINE RT--EXPLOSIVES PENTOLITE TESTS PRESSURE TESTS PRESSURE TESTS
PROTOTYPE TESTS
PULSE PROPAGATION TESTS
PULSE VELOCITY TESTS
PUMP TESTS
PUMP TESTS (WELLS)
QUALITY CONTROL
RADIATION TESTS
RADIOGRAPHY
RANDOM VIBRATION TESTS
REBOUND HAMMER TESTS
RESEARCH
RESONANCE TESTS RDX TNT TEXTILES 2

NT NATURAL TEXTILES

SYNTHETIC TEXTILES

RT--FABRICS -- FIBERS -- MEMBRANES TEXTURE XTURE 2 3 5
NT AGGREGATE TEXTURE
SOIL TEXTURE RESONANCE TESTS
ROAD TESTS (VEHICLES)
ROCK TESTS (LABORATORY)
SALT SPRAY TESTS ANISOTROPY FINENESS --FINISHES
--GRADATION
--GRAIN SHAPES
GRAIN SIZES SAMPLING SCALING RESISTANCE TESTS SHAKE TABLE TESTS SHEAR TESTS ISOTROPY
--MECHANICAL PROPERTIES
PARTICLE SIZE DISTRIBUTION
PARTICLES SHEAR TESTS
SHEARRAPH TESTS
SHELTER TESTS
SHOCK TESTS
SIEVE ANALYSIS
SIMILITUDE
SIMULATION --POROSITY
--SNOW PROPERTIES
--SOIL PARTICLE CHARACTERISTICS SLIP TESTS (VEHICLES) SLUMP TESTS SLIP TESTS (VEHICLES)
SLUMP TESTS
SOIL PENETRATION TESTS
SOIL TESTS (LABORATORY)
SONIC TESTS
SOUNDNESS TESTS
STATIC TESTS
STATIC TESTS
STATISTICAL TESTS
STRESS CORROSION TESTS
STRESS RELAXATION TESTS
SURFACE VIBRATOR TESTS
SWEEP FREQUENCY VIBRATION
TESTS
TENSION TESTS
TEST EQUIPMENT
TEST PLANS
TEST PLANS
TEST PLANS
TEST PROCEDURES
TEST ROADS
TEST SPECIMENS
TEST TECHNIQUES
THIEM TEST HALWEG 1 2
RT--BEDS
MEANDERING STREAMS
--PROFILES THALWEG --SLOPES ING 1 2 3 5
ACTIVE FROST ZONE
FREEZE-THAW
FREEZE-THAW DURABILITY
FREEZE-THAW TESTS THAWING -- FREEZING -- FROST ACTION FROZEN SOILS MELTING --TEMPERATURE TEMPERATURE EFFECTS THIEM TEST
TORSION SHEAR TESTS
TRAFFIC TESTS
TRIAXIAL SHEAR TESTS
ULTRASONIC PULSE VELOCITY
TESTS THEATERS 3
BT PUBLIC BUILDINGS
RT AUDITORIUMS
--COMMERCIAL BUILDINGS THEIS EQUATION 1

UF NONEQUILIBRIUM EQUATION

RT AQUIFER TESTS

ARTESIAN WATER

CONFINED WATER ULTRASONIC TESTS UNDERGROUND STRUCTURE TESTS
VANE SHEAR TESTS
VEBE TESTS
VEHICLE TESTS --DRAWDOWN
--HYDROLOGIC MODELS WATER STAIN TESTS
WEAPONS TESTS
WEAR TESTS
WEART TESTS
WETTING AND DRYING TESTS -- PERMEABILITY STORAGE COEFFICIENT TRANSMISSIVITY -- UNSTEADY FLOW WIND TUNNELS THEODOLITES 1 2 3
NOTE: Instruments for measuring horizontal and vertical angles BT MEASURING INSTRUMENTS
SURVEYING INSTRUMENTS ETRAHEDRONS 1 3

NOTE: Precast concrete armor
units which may be perforated
or solid
UF CONCRETE TETRAHEDRAL BLOCKS
BT ARMOR UNITS
RT--BREAKWATERS
CONCRETE BLOCKS TETRAHEDRONS LEVELING TRIANGULATION THEORETICAL ANALYSIS
RT MODEL TESTS
PROTOTYPE TESTS
--SIMILITUDE TETRAPODS 1 3
NOTE: Patented precast concrete
armor units

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use SPECIFIC HEAT THEORY OF ELASTICITY 2
UF ELASTIC THEORY
RT BULK MODULUS
ELASTIC DEFORMATION
ELASTIC DESIGN
ELASTIC EQUILIBRIUM
ELASTIC LIMIT
ELASTIC HEDIA
ELASTICITY
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UF HEAT CONDUCTIVITY
THERMAL RESISTIVITY
BT CONDUCTIVITY
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--MODULUS OF DEFORMATION
--MODULUS OF ELASTICITY
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TEMPERATURE
TEMPERATURE
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THERMAL RADIATION
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THERMAL STRESSES
THERMAL STRESSES
THERMAL STRESSES
THERMAL STRESSES
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-WATER PROPERTIES SHEAR MODULUS THEORY OF EQUATIONS 6

UF ALGEBRAIC EQUATIONS

BT ALGEBRA

NT LINEAR ALGEBRAIC EQUATIONS

NONLINEAR ALGEBRAIC EQUATIONS

RT--THEORY OF NUMBERS THEORY OF GROUPS BT ALGEBRA NT CONTINUOUS GROUPS THEORY OF NUMBERS 6
UF NUMBERS (THEORY OF)
NT ARITHMETIC
RT--FUNCTIONS (MATHEMATICS)
--NUMBERS -- WATER PROPERTIES THERMAL DEGRADATION -- THEORY OF EQUATIONS OTE: Impairment of properties caused by exposure to heat DEGRADATION THEORY OF ONE-DIMENSIONAL CONSOLIDATION 2 BT DEGRADATION RT THERMAL RESISTANCE use CONSOLIDATION THEORY THERMAL DIFFUSIVITY 2 3 6
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UP PLASTIC THEORY
RT PLASTIC DEFORMATION
PLASTIC DESIGN
PLASTIC EQUILIBRIUM
PLASTIC MEDIA 2 3 5 PLASTICITY RANKINES THEORY THERMAL ENERGY RT GEOTHERMAL POWERPLANTS THEORY OF STRUCTURES --HEAT RT--CONSTRUCTURES 6
RT--CONSTRUCTION
STRENGTH OF MATERIALS
--STRUCTURAL ANALYSIS
STRUCTURAL DESIGN
STRUCTURAL ENGINEERING THERMAL ENVIRONMENT 7
NOTE: Normal environmental temperature suitable to maintain the species of life involved
BT ENVIRONMENTS
RT AEROSPACE ENVIRONMENT THEORY OF THREE-DIMENSIONAL CONSOLIDATION 2 use CONSOLIDATION THEORY LUNAR ENVIRONMENT THERMAL ANALYSIS 1 2 3 4

NOTE: Study of chemical and/or
physical changes in materials
as a function of temperature
UF THERMOANALYSIS
NT DIFFERENTIAL THERMAL
ANALYSIS
RT--HEAT THERMAL EQUILIBRIUM USE THERMODYNAMICS THERMAL EXPANSION 2 3 4

UF COEFFICIENT OF EXPANSION
COEFFICIENT OF THERMAL
EXPANSION
BT EXPANSION
THERMAL PROPERTIES
RT CONCRETE TEMPERATURES
CONTROL JOINTS
EXTENSOMETERS
--HEAT RT--HEAT I--HEAT
--TEMPERATURE
TEMPERATURE EFFECTS
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--THERMAL MEASUREMENTS
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THERMAL STRESSES
THERMODYNAMICS

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VOLUME CHANGE
WARPAGE

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OCEAN CURRENTS
OCEAN CURRENTS
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RESERVOIR OFERATION
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THERMAL POLLUTION
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BT AIR CONDITIONING
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HEAT SINKS
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--REFRACTORIES
--TEMPERATURE
TEMPERATURE
TEMPERATURE
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THERMAL OIPFUSIVITY
--THERMAL PROPERTIES

THERMAL MEASUREMENTS 1 3 4 7
NOTE: Measurements of thermal
properties, quantities or
conditions
NT HEAT MEASUREMENT
RT CALORIMETERS
--HEAT
HEAT TRANSMISSION
--TEMPERATURE
TEMPERATURE CONTROL
--TEMPERATURE MEASURING
INSTRUMENTS
--THERMAL ANALYSIS
--THERMAL MEASURING INSTRUMENTS
THERMAL RADIATION
THERMOCOUPLES

THERMAL MEASURING INSTRUMENTS
BT MEASURING INSTRUMENTS
NT CALORIMETERS
--TEMPERATURE MEASURING
INSTRUMENTS
THERMOCOUPLES
THERMOMETERS
RT--HEAT
HEAT MEASUREMENT
--THERMAL MEASUREMENTS

THERMAL POLLUTION 1 7
NOTE: Degradation of water
quality by the introduction of
a heated effluent

THERMAL POLLUTION (Con.)
UF HEAT POLLUTION
BT WATER POLLUTION
RT--CONTAMINATION
--HEAT
POLLUTION ABATEMENT
STREAM POLLUTION
WASTE HEAT

THERMAL POWER PLANTS 1 2 4 7
BT ELECTRIC POWER PLANTS
NT GEOTHERMAL POWER PLANTS
STEAM POWER PLANTS
RT--ELECTRIC POWER GENERATION
NUCLEAR POWER PLANTS

RT--ELECTRIC POWER GENERATION
NUCLEAR POWER PLANTS

THERMAL PROPERTIES 1 2 3 4 6

UF HEAT PROPERTIES 1 2 3 4 6

UF HEAT PROPERTIES 1
THERMODYNAMIC PROPERTIES

NT--CONCRETE THERMAL PROPERTIES
HEAT OF HYDRATION
HEAT OF SOLUTION
SPECIFIC HEAT
THERMAL CONDUCTIVITY
THERMAL EXPANSION
THERMAL EXPANSION
THERMAL EXPANSION
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VAPOR PRESSURE

RT--CHEMICAL PROPERTIES
-DIFFUSIVITY
--ELECTRICAL PROPERTIES
GEOTHERMOMETRY
--HEAT
HEAT TRANSMISSION
HEAT TRANSPER
HEAT TRANSPER
HEAT TRANSPER
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THERMAL RESISTANT STRUCTURES
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THERMAL SOIL STABILIZATION
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BT RADIATION
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--HEAT

--HEAT
HEAT TRANSFER
--SOLAR RADIATION
--TEMPERATURE
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--THERMAL PROPERTIES
THERMAL SHOCK

THERMAL RESISTANCE 2 3 4 6

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THERMAL SHOCK RESISTANCE
BT MECHANICAL PROPERTIES
THERMAL PROPERTIES
RT--CHEMICAL ATTACK
DEGRADATION
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FIRE TESTS
--HEAT
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HEAT TRANSFER

THERMAL RESISTANCE (Con.)
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--TEMPERATURE
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BT SOIL STABILIZATION
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FREEZING PYROMETERS
--TEMPERATURE MEASURING
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--THERMAL MEASUREMENTS
--THERMOMETERS -- THERMAL PROPERTIES THERMAL STRATIFICATION 1 7
NOTE: Condition of a body
of water in which the
successive horizontal layers THERMODYNAMIC PROPERTIES 1 2 3 4 6 use THERMAL PROPERTIES THERMODYNAMICS 1 2 3 4 6
NOTE: Study of the interrelation
between heat and other forms have different temperatures, each layer more or less sharply differentiated from the adjacent ones, the warmest at of energy RT AERODYNAMICS AEROTHERMODYNAMICS adjacent ones, the warme
the top
STRATIFICATION (WATER)
THERMAL PROPERTIES
CONVECTION
DENSITY FLOW
EPILIMNION
HEAT BUDGET CRYOGENICS -DYNAMICS --EQUATIONS OF STATE FREEZE-THAW TESTS --GAS DYNAMICS GAS LAWS HYPOLIMNION
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COOLING

ENVIRONMENTAL ENGINEERING

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NOTE: Refers to organisms that grow well in high temperatures, e.g., bacteria in hot springs
BT SESTON
RT-ALGAE
--BACTERIA
--CRUSTACEA --FUNGI -- INSECTS NEMATODES --PLANTS (BOTANY) THERMOSTATIC VALVES BT VALVES RT--PNEUMATIC VALVES THERMOSTATS 2 6
BT CONTROL EQUIPMENT
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RT GLOSSARIES

NOMENCLATURE

THICK WALL OPEN SAMPLERS BT DRIVE SAMPLERS

SUBJECT INDEX TERMS

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--PISTON SAMPLERS THIN WALL TUBE SAMPLERS 2
use THIN WALL OPEN SAMPLERS THIXOTROPY 1 2 RT CLAY STRUCTURE GELS INTRINSIC FORCES NON-NEWTONIAN FLOW QUICK CLAYS VISCOSITY HORIUM 6 7
BT METALS
RT RARE EARTH ELEMENTS
--METALLURGY THORIUM 3-D LOGGING 2
UF RADIOACTIVE LOGGING
BT LOGGING
RT BOREHOLE LOGGING DENSILOGS NUCLEAR LOGGING RADIOACTIVITY WELL LOGGING THREE-DIMENSIONAL FLOW BT FLOW FLUID FLOW THREE-DIMENSIONAL MAPS 2 BT MAPS RT RELIEF MAPS TOPOGRAPHIC MAPS HRUST 1 RT--AERODYNAMIC FORCES THRUST --DRAG

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TIDAL FLATS 1 2
NOTE: Area of sand or mud
uncovered at low tide
RT OCEAN TIDES
SEA LEVEL CHANGES
TIDAL HYDRAULICS
TIDAL MARSHES
THRUSTS AND THRUSTING
     (GEOLOGY) 2
NOTE: Overriding movement
         of one crustal unit over
another
GEOLOGIC STRUCTURES
     RT--DIASTROPHISM
DISCONTINUITIES (STRUCTURAL
              DISCONTINUITIES (STRUCTUR
GEOLOGY)
PAULTS AND FAULTING
(GEOLOGY)
FISSURES
-POLDS AND FOLDING
(GEOLOGY)
FRACTURES AND FRACTURING
(GEOLOGY)
                                                                                                                                      TIDAL FLUSHING
                                                                                                                                                                             1
                                                                                                                                          NOTE: Exchange of water
in a restricted area
resulting in the washing
of a pollutant out of an
estuary or bay
RT ESTUARIES
                                                                                                                                                --TIDES
               JOINTS AND JOINTING
(GEOLOGY)
                                                                                                                                      TIDAL HYDRAULICS 1 2 7
BT FLUID MECHANICS
               OROGENY
STRUCTURAL GEOLOGY
                                                                                                                                                   HYDRAULICS
DIURNAL VARIATIONS
ESTUARIES
ESTUARY MODELS
                TECTONICS
THUNDERSTORMS 1
                                                                                                                                                     HYDROGRAPHY
OCEAN CURRENTS
OCEAN ENGINEERING
OCEAN TIDES
      BT STORMS
RT CLOUDBURSTS
CLOUDS
               FLASH FLOODS
GUSTS
                                                                                                                                                     OCEANOGRAPHY
SALT WATER INTRUSION
SEA LEVEL CHANGES
           --PRECIPITATION (METEOROLOGY)
RAIN AND RAINFALL
--WIND (METEOROLOGY)
                                                                                                                                                    SEA LEVEL CHANGES
TIDAL EFFECTS
TIDAL ENERGY
TIDAL FLATS
TIDAL MARSHES
TIDAL MODELS
TIDAL POWER PLANTS
TIDAL WATERS
TIDAL WATERS
TIDAL WAVES
 THYRATRONS 6
BT ELECTRON TUBES
TIDAL BARRIERS 1
RT--TIDES
TIDAL BORES 1
use BORES (TIDAL)
                                                                                                                                                  -TIDES
                                                                                                                                                     TSUNAMIS
TIDAL CURRENT TABLES 1
RT TIDE TABLES
--TIDES
                                                                                                                                      TIDAL INLETS 1
BT INLETS (WATERWAYS)
RT ESTUARIES
                                                                                                                                     TIDAL MARSHES 1 2 7
NOTE: Marshes within the
influence of tides,
traversed by interlacing
channels and commonly
inundated during high
 TIDAL CURRENTS
            EBB CURRENTS
FLOOD CURRENTS
WATER CURRENTS
      UF
      BT WATER CURI
                                                                                                                                          tides
BT MARSHES
WETLANDS
RT COASTAL MARSHES
 TIDAL CYCLES
      RT--TIDES
 TIDAL DATA 1
RT--TIDES
                                                                                                                                                    DELTAS
ESTUARIES
TIDAL EFFECTS 1
RT BEACH EROSION
BORES (TIDAL)
INTERTIDAL ZONE
MUD FLATS
OCEAN CURRENTS
SEA LEVEL
TIDAL HYDRAULICS
TIDAL WATERS
--TIDES
                                                                                                                                                    MUD FLATS
OCEAN TIDES
                                                                                                                                                    SALT MARSHES
SALT WATER INTRUSION
SEA LEVEL CHANGES
SHALLOW WATER
                                                                                                                                                    TIDAL FLATS
TIDAL HYDRAULICS
                                                                                                                                                --TIDES
URANIN
            --TIDES
WATER LEVEL FLUCTUATIONS
WATER WAVE GENERATION
                                                                                                                                    TIDAL MODELS 1
BT HYDRAULIC MODELS
NT ESTUARY MODELS
HARBOR MODELS
RT BED MATERIALS (MODELS)
TIDAL EMERGY 1 7
UF TIDAL POWER
BT ENERGY
RT--ELECTRIC POWER
--ELECTRIC POWER PLANTS
TIDAL HYDRAULICS
TIDAL POWER PLANTS
--TIDES
                                                                                                                                                   COASTAL ENGINEERING
DYE DISPERSION
DYE RELEASES
                                                                                                                                               --DYES
                                                                                                                                               -- FLUORESCENT DYES
                                                                                                                                               PONTACYL BRILLIANT PINK
SEMIRIGID MODELS
--SHOALING MATERIALS (MODELS)
TIDAL ENTRANCES
RT ESTUARIES
--TIDES
                                                                                                                                                   TIDAL HYDRAULICS
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TIDAL MODELS (Con.) TIDE GENERATORS URANIN TIDAL POWER 1 7
use TIDAL ENERGY TIDAL POWER GENERATION 1 7
BT ELECTRIC POWER GENERATION
HYDROELECTRIC POWER
GENERATION RT TIDAL POWER PLANTS TIDAL POWER PLANTS 1 2 6 7
BT ELECTRIC POWER PLANTS
RT-ELECTRIC POWER GENERATION
ELECTRICAL ENERGY
INDUSTRIAL PLANTS
COFAN TIDES INDUSTRIAL PLANTS
OCEAN TIDES
SEA LEVEL CHANGES
TIDAL ENERGY
TIDAL HYDRAULICS
TIDAL POWER GENERATION TIDAL PRISM 1
NOTE: Difference between mean
high-water volume and mean low-water volume of an estuary RT ESTUARIES --TIDES TIDAL RIVERS 1 2 use ESTUARIES TIDAL WATERS 1 7 UF TIDEWATER BT WATER RT CONTINENTAL SHELF TIDAL EFFECTS TIDAL HYDRAULICS --TIDES TIDAL WAVES 1 BT OCEAN WAVES WATER WAVES WAVES TIDAL HYDRAULICS --TIDES TSUNAMIS WATER WAVE HEIGHT WATER WAVE RUN-UP TIDE GAGES 1 GAGES MEASURING INSTRUMENTS HYDROGRAPHIC SURVEYS LIQUID LEVEL INDICATORS TIDE GATES BT HYDRAULIC GATES TIDE GENERATORS 1 RT ESTUARY MODELS TIDAL MODELS TIDE TABLES 1
RT TIDAL CURRENT TABLES
--TIDES 2 NT EARTH TIDES
OCEAN TIDES
WIND TIDES
RT--BEACHES BORES (TIDAL)
COASTAL ZONE
DIURNAL VARIATIONS ESTUARIES FLOW PROFILES GRADUALLY VARIED FLOW INTERTIDAL ZONE

LITTORAL ZONE

TIDES (Con.) OCEAN CURRENTS **OCEANOGRAPHY** OCEANS SALT WATER INTRUSION SEA LEVEL SEA LEVEL
-SHORES
TIDAL BARRIERS
TIDAL CURRENT TABLES
TIDAL CYCLES
TIDAL DATA
TIDAL EFFECTS
TIDAL ENERGY
TIDAL ENTRANCES
TIDAL FLUSHING
TIDAL HYDRAULICS
TIDAL MARSHES TIDAL MARSHES TIDAL PRISM TIDAL WATERS TIDAL WAVES TIDE TABLES -WATER CURRENTS TIDEWATER use TIDAL WATERS IE BEAMS 2 3 4
BT BEAMS (SUPPORTS)
STRUCTURAL MEMBERS
RT--FOUNDATIONS TIE BEAMS PILE GROUPS RT ANCHORED BULKHEADS ANCHORED TOWERS TIE RODS ANCHORING -ANCHORS (STRUCTURES)
FORMWORK (CONSTRUCTION)
HORIZONTAL LOADS TIED COLUMNS 3 BT COLUMNS (SUPPORTS) TIES (RAILROAD) 3 use RAILROAD TIES TIES (REINFORCEMENT) 3
RT--BARS (METAL)
--MASONRY
REINFORCING BARS
--REINFORCING STEELS TILE DRAINAGE 1 BT DRAINAGE
SUBSURFACE DRAINAGE
RT DRAINAGE ENGINEERING
TILE DRAINS DRAINS 1 2
DRAINAGE STRUCTURES
DRAINS TILE DRAINS SUBDRAINS DEWATERING DRAIN SPACING DRAIN TILES DRAINAGE SYSTEMS GRAVITY DRAINAGE HORIZONTAL DRAINS -- SUBSURFACE DRAINAGE TILE DRAINAGE TILE SPACING TOE DRAINS TILE SPACING 1
RT DRAIN TILES
DRAINAGE SYSTEMS -- DRAWDOWN HYDRAULIC CONDUCTIVITY

TILE DRAINS

--WATER TABLE

TIMBERS (Con.)
SHAFTS (EXCAVATIONS)
SHORING
TIMBER CONSTRUCTION
--TIMBER PILES
TIMBER SHEET PILES
TUNNEL CONSTRUCTION
INTERPRENIALING TILES NOTE: Excludes tubes and pipes RT--BRICKS -- CONCRETE PRODUCTS --FLOORS --GROUTING --GROUTS UNDERPINNING -- MASONRY TIME CURVE 2
use TIME SETTLEMENT RELATIONSHIP ROOFING TILES (DRAIN) 1 2 3 5 use DRAIN TILES TIME DEPENDENCE 6
RT STOCHASTIC PROCESSES TIME DEPENDENT DEFLECTION 2 3 4 use GLACIAL TILL use CREEP TILLAGE RT AGRICULTURAL VEHICLES TIME DEPENDENT DEFORMATION 2 3 4 AGRICULTURE CUTTING BLADES use CREEP PLOWS SOIL CUTTING TINES TIME FACTORS FACTORS 2
COEFFICIENT OF CONSOLIDATION
--CONSOLIDATION (SOILS)
CONSOLIDATION THEORY
DEGREE OF CONSOLIDATION
TIME SETTLEMENT RELATIONSHIP TILT METERS 2
use INCLINOMETERS TILT UP CONSTRUCTION 3
BT CONCRETE CONSTRUCTION
CONSTRUCTION ME LAG 1
RT FLOOD HYDROGRAPHS
FLOOD PEAKS
--HYDROGRAPHS RT CONCRETE PANELS HYSTERESIS --RAIN AND RAINFALL TIMBER CONSTRUCTION BT CONSTRUCTION 2 3 RAINFALL-RUNOFF RELATIONSHIPS RT--BULKHEADS -- RUNOFF CRIB WALLS IME MEASUREMENT 6
BT MEASUREMENT
RT FREQUENCY METERS
VELOCITY MEASUREMENT TIME MEASUREMENT CRIBBING LAGGING MINES (EXCAVATIONS) --MINING SHEETING TIME OF CONCENTRATION
RT FLOOD HYDROGRAPHS
FLOOD PEAKS
FLOOD WAVES SHORING --TIMBER PILES TIMBERS
TUNNEL CONSTRUCTION
TUNNEL LININGS
--WOOD PRESERVATIVES OVERLAND FLOW SURFACE RUNOFF UNIT HYDROGRAPHS --WATERSHEDS TIMBER PILES NOTE: Includes untreated timber piles UF Wo TIME OF SETTING 3 use SETTING TIME piles
UP WOOD PILES
BT PILES
T TIMBER SHEET PILES
TREATED TIMBER PILES
RT COMPOSITE PILES
--CONCRETE PILES TIME SERIES ANALYSIS 1 6
BT STATISTICAL ANALYSIS
RT CORRELATION
CORRELATION TECHNIQUES
CURVE FITTING
--DISCHARGE (WATER)
--FORECASTING
--POURIER ANALYSIS
FOURIER TRANSPORMATIONS
FREQUENCY ANALYSIS
--HYDROGRAPHS DRIVEN PILES MARINE BORER ATTACK (PILES)
--STEEL PILES
TIMBER CONSTRUCTION
TIMBERS -- HYDROGRAPHS TIMBER SHEET PILES 2
UF WAKEFIELD SHEET PILES
WOOD SHEET PILES RUNOFF FORECASTING SCHEDULING STOCHASTIC PROCESSES BT PILES SHEET PILES TIME SETTLEMENT RELATIONSHIP 2
UF CONSOLIDATION CURVE
CONSOLIDATION FATE (SOILS)
CONSOLIDATION TIME CURVE
RATE OF CONSOLIDATION (SOILS)
TIME CURVE TIMBER PILES CONCRETE SHEET PILES STEEL SHEET PILES TIMBERS --WOOD PRESERVATIVES TIME CURVE
RT COEFFICIENT OF CONSOLIDATION
COEFFICIENT OF PERMEABILITY
--CONSOLIDATION (SOILS)
--CONSOLIDATION TESTS (SOILS)
CONSOLIDATION THEORY
--DEFORMATION
DEGREE OF CONSOLIDATION TIMBERS BT WOOD
RT--BRACINGS
GRILLAGE FOOTINGS LAGGING MINES (EXCAVATIONS)

TIME SETTLEMENT RELATIONSHIP (Con.) TIRE INSTRUMENTATION E SETTLEMENT RELATIONSHIP (Con KELVIN MODEL
--LOAD TESTS (POUNDATIONS)
LOADING RATE
LOADING TIME
PRESSURE VOID RATIO CURVES
SAND DRAIN PERFORMANCE
--SETTLEMENT
SETTLEMENT
SETTLEMENT RT--TIRE PROPERTIES
TIRE TEST EQUIPMENT
TIRE TESTS TIRE LUGS 5 BT ANTISKID DEVICES LUGS TRACTION DEVICES
TIRE CHARACTERISTICS
TIRE STUDS SETTLEMENT ANALYSIS SETTLEMENT RECORDS TIME FACTORS TIRE TREADS TIME SHARING 6
RT COMPUTER PROGRAMMING
COMPUTER SYSTEMS HARDWARE
--COMPUTER SYSTEMS PROGRAMS TIRE-PAVEMENT INTERACTION 2 5
RT AIRCRAFT TIRES
--FRICTION
HYDROPLANING
NONSKID SURFACES
PAVEMENT DEFLECTION
--PAVEMENT DESIGN
--PAVEMENT PERFORMANCE AND
EVALUATION
PRESSURE DISTRIBUTION
ROAD RESEARCH
SKID RESISTANCE
SURFACE FRICTION
SURFACE FRICTION
SURFACE ROUGHNESS (PAVEMENTS)
TIRE SIDE SLIP TIMING 6 RT SCHEDULING N 2 BT METALS RT ALLOYS TIN -- COATINGS --STEELS TINES RT AGRICULTURE TIRE SIDE SLIP --TIRES CUTTING BLADES TRACTION
--TRAFFIC LOADS
--TRAFFIC TESTS PLOWS SOIL CUTTING TILLAGE -TRAFFICABILITY TIRE CHAINS 5
BT ANTISKID DEVICES
TRACTION DEVICES TIRE PERFORMANCE 5
RT MOBILITY NUMBERS
PERFORMANCE PREDICTIONS
PERFORMANCE TESTS (VEHICLES) RT TRACTION TIRE CHARACTERISTICS 5
RT--PNEUMATIC TIRES
RUBBER TIRES (NON PNEUMATIC)
SOLID TIRES
TIRE DESIGN
TIRE LUGS
TIRE PLIES
--TIRE PROPERTIES
TIRE SHAPES
TIRE SHAPES
TIRE STIDS -- VEHICLE PERFORMANCE TIRE PLIES 5
UF PLY OF TIRES
RT--PNEUMATIC TIRES TIRE CHARACTERISTICS TIRE PROPERTIES 5
NT TIRE DEFLECTION
TIRE DEFORMATION
TIRE STIFFNESS
RT--MECHANICAL PROPERTIES
--PNEUMATIC TIRES TIRE STUDS
TIRE TREAD PATTERNS
TIRE TREADS
--TIRES TIRE CONTACT PRESSURE 5
BT CONTACT PRESSURE (VEHICLES)
PRESSURE
BT PRESSURE DISTRIBUTION
STRESS DISTRIBUTION TIRE CHARACTERISTICS TIRE DESIGN TIRE INSTRUMENTATION --TIRES STRESSES UNDER WHEELS TIRE SHAPES 5
RT--PNEUMATIC TIRES
TIRE CHARACTERISTICS
WHEEL CONFIGURATIONS TIRE DEFLECTION BT DEFLECTION TIRE PROPERTIES RT--PNEUMATIC TIRES
TIRE DEFORMATION
TIRE STIFFNESS TIRE SIDE SLIP 5
RT HYDROPLANING
SLIP-SINKAGE RELATIONS
SLIP TESTS (VEHICLES)
SOIL-WHEEL INTERACTION
SURFACE FRICTION
TIRE-PAVEMENT INTERACTION
TRACTION TIRE DEFORMATION
BT DEFORMATION TIRE PROPERTIES
RT--PNEUMATIC TIRES
TIRE DEFLECTION
TIRE STIFFNESS VEHICLE STABILITY TIRE STIFFNESS 5 TIRE DESIGN 5 BT DESIGN VEHICLE DESIGN TIPPHESS
TIPPHESS
TIPPHESS
TIPPHESS
FLEXIBLE WHEELS
--PMEUMATIC TIRES
RUBBER TIRES (NON PNEUMATIC)
TIRE DEPLECTION
TIRE DEPORMATION RT--PNEUMATIC TIRES
SPRING DESIGN
TIRE CHARACTERISTICS
--TIRE PROPERTIES --TIRES

TIRE STUDS 5
BT ANTISKID DEVICES
TRACTION DEVICES
RT TIRE CHARACTERISTICS
TIRE LUGS
TIRE TREADS TOE DRAINS (Con.)

EARTH DAM SEEPAGE

MOUND DRAINS OPEN DRAINS ROCKFILL DAM SEEPAGE --SUBDRAINS TILE DRAINS TIRE TEST EQUIPMENT 5
RT--MEASURING INSTRUMENTS
--PRESSURE GAGES
TIRE INSTRUMENTATION
--VEHICLE TEST INSTRUMENTS UNDERSEEPAGE CONTROL TOE FAILURES 2
BT FAILURES
RT BASE FAILURES
CRITICAL HEIGHT
CRITICAL SUOPE
CRITICAL SURFACE IRE TESTS 5
BT VEHICLE TESTS
RT DURABILITY TESTS
ENDURANCE TESTS (VEHICLES)
TIRE INSTRUMENTATION
--TIRE PROPERTIES TIRE TESTS CHITICAL SURFACE
--DAM FAILURES
DAM STABILITY
EARTH DAM PERFORMANCE
EMBANKMENT STABILITY -- MASS WASTING ROCKFILL DAM PERFORMANCE TIRE TREAD PATTERNS 5
RT TIRE CHARACTERISTICS
TIRE TREADS --SLIDES SLIDING --TREADS SLOPE FAILURES SLOPE STABILITY TIRE TREADS TREADS 5
ANTISKID DEVICES
TRACTION DEVICES SOIL CREEP SOLIFLUCTION TENSION CRACKS TREADS TIRE CHARACTERISTICS TIRE LUGS TIRE STUDS TIRE TREAD PATTERNS TOE RESISTANCE (PILES) 2
use POINT RESISTANCE (PILES) TOLERANCES (MECHANICS) 3 6 RT ACCEPTABILITY
CONSISTENCY (CONCRETE) IRES 2 5 UF RADIAL TIRES TIRES HYSTERESIS INSPECTION TYRES
AIRCRAFT TIRES
PNEUMATIC TIRES
RUBBER TIRES (NON PNEUMATIC)
SOLID TIRES
TERRA TIRES --MECHANICAL PROPERTIES --NONDESTRUCTIVE TESTS --QUALITY CONTROL RELIABILITY SPECIFICATIONS
--STABILITY RT--LANDING GEAR RIMS (WHEELS) SOIL-WHEEL INTERACTION TIRE CHARACTERISTICS --STANDARDS --STATIC TESTS TIRE DESIGN TIRE-PAVEMENT INTERACTION TOLERANCES (PHYSIOLOGY) NOTE: Relative capability of an organism to endure an unfavorable environmental TIRE PERFORMANCE --TRAFFICABILITY factor NT RADIATION TOLERANCE
RT ACCLIMATIZATION
--ADAPTATION
EURYTOPICITY TITANIUM BT METALS RT ALLOYS --STEELS EVOLUTION LIMITING FACTORS PLANT GROWTH TITRATION 3 RT--CHEMICAL ANALYSIS TOLL ROADS 3 BT EXPRESSWAYS HIGHWAYS UF TRINITROTOLUENE BT EXPLOSIVES ROADS RT FREEWAYS PENTOLITE PETN TONALITE QUARTZ DIORITE IGNEOUS ROCKS INTRUSIVE ROCKS RDX TETRYL TOBERMORITE DBERMORITE 2 3 BT CALCIUM SILICATES MINERALS ROCKS DIORITE QUARTZ RT--ADDITIVES --PORTLAND CEMENTS TOOLED FINISHES 3
use CONCRETE FINISHES (HARDENED TOBERMORITE GEL 3 CONCRETE) BT GELS TOOLS 5 NOTE: Use of a more specific term is recommended; consult the terms listed below TOE DRAINS 1 2
BT DRAINAGE STRUCTURES
DRAINS
RT DAM UNDERSEEPAGE BACKHOES DRAIN TILES

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TOPOGRAPHIC MAPS (Con.)
SURFACE GEOMETRY MAPPING
TERRAIN FACTOR MAPS
--TERRAIN MAPPING
THREE-DIMENSIONAL MAPS
TOOLS (Con.)
COMPACTION EQUIPMENT
           CONSTRUCTION EQUIPMENT
CUTTING BLADES
           EARTH HANDLING EQUIPMENT EXCAVATORS
                                                                                                                 TOPOGRAPHIC SURVEYS
           PLOWS
SCRAPERS
                                                                                                              -- TOPOGRAPHY
                                                                                                                 WORLD MAPS
           SHOVELS (CONSTRUCTION
EQUIPMENT)
                                                                                                      TOPOGRAPHIC SURVEYS 2
RT AERIAL SURVEYS
CONFORMAL MAPPING
DAM SITE SELECTION
GEODETIC SURVEYS
--GEOLOGICAL INVESTIGATIONS
           TINES
WINCHES
TOPOGRAPHIC FEATURES 1 2 7
           ATOLLS
BAYS (TOPOGRAPHIC FEATURES)
                                                                                                              -- GEOMORPHOLOGY
           BEACHES
                                                                                                                  LEVELING
                                                                                                              --MAPPING
PHOTOGRAMMETRY
           BOGS
         -- CANYONS
           COASTAL TOPOGRAPHIC FEATURES
                                                                                                              --SITE SELECTION
SITE SELECTION STUDIES
           COASTAL TOPOGRAPHIC
COASTS
CONTINENTAL MARGIN
CONTINENTAL SHELF
CONTINENTAL SLOPE
                                                                                                              ~-SURVEYING
                                                                                                              --SURVEYING INSTRUMENTS
TOPOGRAPHIC MAPS
           CONTINENTS
DELTAS
                                                                                                      TOPOGRAPHY 1 2 5 7
NOTE: Delineation of the natural and artificial features of an area
NT LUNAR TOPOGRAPHY
SUBMARINE TOPOGRAPHY
           DUNES
ESTUARIES
        FJORDS
--GLACIAL FEATURES
           GLACIERS
GULFS
       --INLETS (WATERWAYS)
--ISLANDS (LANDFORMS)
LAGOONS (LANDFORMS)
--LAKES
                                                                                                          RT BEACHES
--COASTAL TOPOGRAPHIC
                                                                                                                     FEATURES
                                                                                                                 CONTOURS
                                                                                                                 DAM SITES
DRAINAGE PATTERNS
        --MARSHES
           MORAINES
           MOUNTAINS
                                                                                                                  ELEVATION
        -- OCEANS
                                                                                                              -- EROSION
                                                                                                              --GEODESY
GEODETIC SURVEYS
--GEOMORPHOLOGY
GEOPHYSICS
        --PLAINS
           PLATEAUS
        --REEFS
                                                                                                              --GRADIENTS
LAND USE
        --RIVERS
           SANDBARS
                                                                                                             --MAPPING
MOUNTAIN SYSTEMS
        --SHORES
        --SLOPES
           STRAITS
SUBMARINE CANYONS
                                                                                                                 MOUNTAINS
                                                                                                                 MUSKEG
         -SWAMPS
TROUGHS (OCEANIC)
                                                                                                             --PLAINS
                                                                                                                PLATEAUS
                                                                                                             --REGIONS
RESERVOIR SITES
        --VALLEYS
           VOLCANOES
   RT DESERTS
--TOPOGRAPHY
                                                                                                             --SLOPES
--SURVEYING
                                                                                                            --SURVEYING
TERRAIN
TERRAIN ANALYSIS
TERRAIN MAPPING
--TOPOGRAPHIC FEATURES
TOPOGRAPHIC MAPPING
TOPOGRAPHIC MAPS
TOPOGRAPHIC SURVEYS
--VALLEYS
TOPOGRAPHIC MAPPING 1
   BT MAPPING
RT CONTOURS
       --MAPS
PHOTOGRAMMETRY
       --SURVEYING
TOPOGRAPHIC SURVEYS
                                                                                                              -- VALLEYS
        -- TOPOGRAPHY
                                                                                                     TOPOLOGY
                                                                                                        BT GEOMETRY
RT-- DEFORMATION
SWITCHING THEORY
   POGRAPHIC MAPS 2 5
NOTE: Maps showing the
surface features of an
TOPOGRAPHIC MAPS
                                                                                                   TOPSOIL 2
NOTE: Loose top layer of soil that can support vegetation
RT AGRICULTURAL ENGINEERING HUMUS SOILS
LEACHING (SOILS)
   area
BT MAPS
          TERRAIN MAPS
   RT BASE MAPS
--GEOLOGICAL INVESTIGATIONS
      --GEOMETRY
--GEOMORPHOLOGY
          MICROGEOMETRY MAPPING
MILITARY GEOLOGY
      PLANIMETRIC MAPS
RELIEF MAPS
--SLOPES
--SURFACE GEOMETRY
                                                                                                           -- ORGANIC SOILS
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TORSION SHEAR TESTS 2 3
UF ROTATIONAL SHEAR TESTS
BT SHEAR TESTS
NT TORSION SHEAR TESTS (ROCK)
TORSION SHEAR TESTS (SOILS)
RT ANNULAR SHEAR TESTS
--SHEAR STRENOTH
STRESS-STRAIN CURVES TOPSOIL (Con.)
--SOIL BIOLOGY
SOIL CONSERVATION
SOIL EROSION
SOIL HORIZONS SOIL PROFILES
SUBSOIL
TOPSTRATUM DEPOSITS
VEGETATIVE COVER TORSION TOPSTRATUM DEPOSITS 2
RT AGRICULTURAL ENGINEERING
SOIL CONSERVATION
SOIL HORIZONS
--SOIL SCIENCE TORSION SHEAR EQUIPMENT
--VANE SHEAR TESTS TORSION SHEAR TESTS (ROCK) 2
BT ROCK TESTS (LABORATORY)
SHEAR TESTS
TORSION SHEAR TESTS
RT TORSION SHEAR TESTS (SOILS) TOPSOIL ORNADOES 1
BT STORMS
RT ATMOSPHERIC PRESSURE TORNADOES TORSION SHEAR TESTS (SOILS) ON SHEAR TESTS (SULLS)
SHEAR TESTS
SOIL TESTS (LABORATORY)
TORSION SHEAR TESTS
ANNULAR SHEAR TESTS -CYCLONES GUSTS WARNING SYSTEMS -- WIND METEOROLOGY PEAK STRENGTH RESIDUAL SHEAR STRENGTH TORSION SHEAR TESTS (ROCK) --VANE SHEAR TESTS TORPEDO TRAJECTORIES 4
BT TRAJECTORIES
RT UNDERWATER TRAJECTORIES TORPEDOES 4
RT CONVENTIONAL WEAPONS
--EXPLOSIVES
--MISSILES TORSIONAL MODULUS 2 3 4 use SHEAR MODULUS TORSIONAL OSCILLATIONS 2 4
BT OSCILLATIONS
RT--DYNAMIC BEARING CAPACITY
FOUNDATION VIBRATIONS --MUNITIONS
MUNITIONS INDUSTRY
--MUNITIONS STORAGE
--NUCLEAR WEAPONS TORSION TORSIONAL WAVES
VIBRATION RESPONSE TESTS
VIBRATORY LOADS --ORDNANCE --PROPELLANTS --ROCKETS SHAPED CHARGES UNDERWATER BALLISTICS
UNDERWATER DEMOLITION
-UNDERWATER EXPLOSIONS
UNDERWATER ORDNANCE
UNDERWATER PROJECTILES
UNDERWATER ROCKETS TORSIONAL OSCILLATIONS OF THE EARTH 2 4 use EARTH OSCILLATIONS TORSIONAL RESONANT FREQUENCIES 3
use SONIC TESTS --WEAPONS TORSIONAL SPRINGS 5
BT SPRINGS (MECHANICAL)
SUSPENSION SYSTEMS (VEHICLES)
RT PREUMATIC SPRINGS
SPRING DESIGN PRQUE 2 5
RT ANNULAR SHEAR TESTS
--MOMENTS
--SHEAR TESTS SHEARGRAPH TESTS TORSION TORSIONAL STIFFNESS 5
BT MECHANICAL PROPERTIES
SOIL PROPERTIES
STIFFNESS -- TORSION SHEAR TESTS TORSIONAL STIFFNESS -- VANE SHEAR TESTS RSION 1 2 3 4 6 RT ANNULAR SHEAR TESTS TORSION TORSIONAL STRENGTH (CONCRETE) CONCRETE STRENGTH MECHANICAL PROPERTIES SHEAR PROPERTIES BUCKLING CONCRETE DEFORMATION --DEFLECTION
--DEFORMATION
--FAILURE (MECHANICS)
FRACTURE MECHANICS RT--SHEAR STRENOTH TORSIONAL WAVES 2 BT ELASTIC WAVES -- SHEAR PROPERTIES -- STRAINS STRENOTH OF MATERIALS
--STRESSES TORSION TORSIONAL OSCILLATIONS STRUCTURAL BEHAVIOR TORQUE TOSKANES 1 NOTE: Precast concrete armor units BT ARMOR UNITS TORSION SHEAR EQUIPMENT
--TORSION SHEAR TESTS
TORSIONAL OSCILLATIONS
TORSIONAL WAVES TOTAL STRESS 2 BT STRESSES RT COMPRESSIVE STRESS -- VANE SHEAR TESTS TORSION SHEAR EQUIPMENT 2
UP ROTATIONAL SHEAR EQUIPMENT
BT SHEAR EQUIPMENT
RT ANNULAR SHEAR EQUIPMENT EFFECTIVE STRESS
--NORMAL STRESS
--PORE PRESSURE
TENSILE STRESS TORSION --TORSION SHEAR TESTS

TOWS AND TOWING 1 RT BARGES TOWBOATS TOUGHNESS OUGHNESS 2 4 6
BT MECHANICAL PROPERTIES
RT--COHESION DUCTILITY IMPACT TESTS TUGBOATS -PENETRATION RESISTANCE RIGIDITY use Poisons TOXICANTS -SHEAR PROPERTIES STIFFNESS -TENSILE PROPERTIES TOUGHNESS TESTS (SOILS) NT PESTICIDE TOXICITY
PHYTOTOXICITY
RT BIOASSAY
--CHEMICAL PROPERTIES
--CONTAMINATION
LEAD
MERCELES TOXICITY TOUGHNESS TESTS (SOILS) DUCHRES TESTS (SOILS) 2
BT FIELD TESTS
HAND TESTS
HAND TESTS
DILATANCY TESTS
DRY STRENGTH TESTS
HARDMESS TESTS
SURFACE TESTS (SOILS) MERCURY --POISONS SAFETY TOXICOLOGY TOUGHNESS ZINC UNIFIED SOIL CLASSIFICATION TOXICOLOGY 4 7
NOTE: Science which treats
of poisons, their antidotes, SYSTEM TOWBOATS 1
NOTE: Boats used especially on RT CONTAMINANTS
--CONTAMINATION inland waterways to push groups of barges lashed to them in front or on one side -- HAZARDS -- INJURIES BT BOATS RT BARGES -- POISONS -- POLLUTION TOWS AND TOWING WATER TRANSPORTATION --TOXICITY -- WATERWAYS (TRANSPORTATION) TRACE ELEMENTS 7
NOTE: Chemical elements TOWED VEHICLES combined in minute quantities in plant or animal tissues considered essential in physiological processes RT--CHEMICAL ANALYSIS SEMITRAILERS SLEDS TRAILERS RT COUPLINGS (VEHICLES)
--MILITARY VEHICLES --TOWED WHEELS
--TRACKED VEHICLES
UTILITY CARRIERS
--WHEELED VEHICLES MANGANESE MOLYBDENUM WATER ANALYSIS TRACERS 1 2 7

NOTE: Foreign substances
mixed with or attached to a
given substance to enable the
distribution of the latter to
be determined subsequently
NT RADIOACTIVE TRACERS
DT_DIFFECTORS TOWED WHEELS 5
BT WHEELED VEHICLES
WHEELS NT SEMITRAILERS TRAILERS RT--TOWED VEHICLES TOWER CRANES 3 BT CRANES (HOISTS) RT TOWERS RT--DETECTORS
DYE DISPERSION
DYE RELEASES TOWER FOUNDATIONS 2 3
BT--FOUNDATIONS
RT--STRUCTURAL DESIGN
--TOWERS ELECTROLYTES FLUORESCENCE --ISOTOPES --LUMINESCENCE MARKING TECHNIQUES
-RADIOACTIVE ISOTOPES TOWERS 2 3 4

NT ANCHORED TOWERS

ANTENNA TOWERS

RADAR TOWERS

RT--BUILDINGS TAGGING TRACKING TECHNIQUES TRACERS (ORDNANCE) -- TANKS (CONTAINERS)
TOWER CRANES
TOWER FOUNDATIONS RT--AMMUNITION
--INCENDIARY AMMUNITION
INCENDIARY PROJECTILES
PYROTECHNICS TOWING RESISTANCE 5 RACHYTE 2 BT EXTRUSIVE ROCKS IGNEOUS ROCKS TOWING TANKS 1 ROCKS TOWING VEHICLES RT--MILITARY VEHICLES
RECOVERY VEHICLES
--WHEELED VEHICLES TRACK CLEATS 5
use TRACK GROUSERS TRACK DESIGN WINCHES BT DESIGN VEHICLE DESIGN

RT SPRING DESIGN TRACK GROUSERS

TRACTION (Con.)
--FRICTION
FRICTION RESISTANCE
SOIL-WHEEL INTERACTION
SURFACE FRICTION
SURFACE ROUGHNESS (PAVEMENTS) TRACK DESIGN (Con.) TRACK TREADS TRACKS TRACK GROUSERS 5

UF CLEATS (TRACKS)
GROUSERS (TRACKS)
TRACK CLEATS
BT ANTISKID DEVICES
TRACTION DEVICES
RT--LUGS TIRE CHAINS
TIRE-PAVEMENT INTERACTION
TIRE SIDE SLIP
TRACK GROUSERS
TRACK TREADS
TRACKS TRACK DESIGN TRACK TREADS -- TRACTION DEVICES -- TRAFFICABILITY TRACTION TRACK PERFORMANCE 5
RT MOBILITY MUMBERS
PERFORMANCE PERDICTIONS
PERFORMANCE TESTS (VEHICLES) TRACTION DEVICES ACTION DEVICES 5

NT TIRE CHAINS
TIRE LUGS
TIRE STUDS
TIRE TREADS
TRACK GROUSERS
RT--ANTISKID DEVICES TRACKS VEHICLE PERFORMANCE TRACK-SOIL INTERACTION 5
use SOIL-TRACK INTERACTION -- FRICTION TRACTION TRACTIVE PORCES TRACK TREADS THE FORCES (TRACTIVE)

NT CRITICAL TRACTIVE PORCE

RT BED LOAD

BOUNDARY SHEAR BT TREADS RT TRACK DESIGN TRACK GROUSERS TRACTION

TRACKED VEHICLES 5
BT OFF-ROAD VEHICLES
NT AIROLL VEHICLES
CRAWLER TRACTORS
TAMKS (COMBAT VEHICLES)
RT AGRICULTURAL VEHICLES
--AMPHIBIOUS VEHICLES
--ARTICULATED VEHICLES
--CARGO VEHICLES
--COMBAT VEHICLES
--LOMBAT VEHICLES
--IAND CLEARING VEHICLES
--LIGHT UTILITY VEHICLES
--LIGHT UTILITY VEHICLES
--LIGHT UTILITY VEHICLES
--MILITARY VEHICLES
--MILITARY VEHICLES
--MILITARY VEHICLES
--MILITARY VEHICLES
SOVERLAND TRAIN
PERSONNEL CARRIERS
RECOVERY VEHICLES
SELF PROPELLED ARTILLERY
--SELF PROPELLED VEHICLES
SKIDDERS (VEHICLES)
--SNOW VEHICLES
SNOWMOBILES
--TOWED VEHICLES
--TOWED VEHICLES
--TOWED VEHICLES
--TOWED VEHICLES
--TOWED VEHICLES TRACTION --DEGRADATION
--FLOW
--FLUID MECHANICS
--HYDRAULICS MOVABLE BED MODELS --SEDIMENT --SEDIMENT
--SEDIMENT LOAD
--SEDIMENT TRANSPORT
SEDIMENT TRANSPORT MODELS
STABLE CHANNELS
--STREAM BEDS
STREAM BEDS
STREAM BEGRADATION
STREAM EROSION
--STREAM FLOW TRACTOR GATES HYDRAULIC GATES ROLLER-MOUNTED GATES TRACTORS UF CATERPILLARS (VEHICLES)
NT BULLDOZERS CRAWLER TRACTORS WHEELED TRACTORS WHEELED TRACTORS
AGRICULTURAL VEHICLES
--CONSTRUCTION EQUIPMENT
COUPLINGS (VEHICLES)
--LOOGING VEHICLES
--ROAD VEHICLES
--TRACKED VEHICLES
--WHEELED VEHICLES SNOWMOBILES -- TOWED VEHICLES -- TRACTORS
-- WEAPON CARRIERS TRACKING TECHNIQUES 1
RT--DETECTORS
DYE RELEASES
MARKING TECHNIQUES
RADIOACTIVE TRACERS
RADIOISOTOPES RAFFIC 5 6 7
MT AIRFIELD TRAFFIC
RT TRAFFIC ENGINEERING TRAFFIC TRAFFIC CONTROL 6
RT TRAFFIC ENGINEERING REMOTE SENSING TELEMETRY TRAFFIC DISTRIBUTION
RT AIRFIELD TRAFFIC
--TRAFFIC TESTS -- TRACERS TRACKS UP VEHICLE TRACKS
RT EMDURANCE TESTS (VEHICLES)
SOIL-TRACK INTERACTION
TRACK DESIGN
TRACK DESIGN
TRACK PERFORMANCE TRAFFIC ENGINEERING RT REGIONAL PLANNING
--TRAFFIC
TRAFFIC CONTROL
TRAFFIC SAFETY TRACTION TRAFFIC LOADS 2 3 5
NOTE: Refers to vehicular traffic
UF HIGHWAY LOADS
BT DYNAMIC LOADS
LOADS (PORCES) TRACTION RACTION 2 5
UF SURFACE TRACTION
RT--ANTISKID DEVICES
DRAWBAR PULL NT EQUIVALENT SINGLE WHEEL LOAD

TRAFFIC LOADS (Con.)
RT AIRCRAFT LOADS
AIRFIELD TRAFFIC
ALTERNATING LOADS
FLEXIBLE PAVEMENTS
GROUND FLOTATION TRAFFICABILITY (Con.) --PAVEMENTS
RICE FIELDS
RIDE DYNAMICS
RUT DEPTH SOFT SOILS --SOIL MECHANICS --HIGHWAYS --IMPULSIVE LOADS SOIL STABILITY
--SOIL STABILIZATION PAVEMENT DEFLECTION
PAVEMENT DEFORMATION
--PAVEMENT DESIGN
--PAVEMENTS --SOIL STABLIZATION
SOIL-TRACK INTERACTION
--SOIL-VEHICLE INTERACTION
SOIL-WHEEL INTERACTION
STATE OF THE GROUND
TERRAIN ANALYSIS
TERRAIN-VEHICLE INTERACTION PIPE COVER REPETITIVE LOADS ROAD CAPABILITY MODELS ROAD DESIGN TIRE-PAVEMENT INTERACTION --TIRES ROAD ENGINEERING ROAD RESEARCH -THES
TRACTION
TRAFFIC LOADS
TRAFFICABILITY CLASSIFICATION
TRAFFICABILITY DATA
TRAFFICABILITY MAPPING
TRAFFICABILITY MAPPING
TRAFFICABILITY TREDICTION
-TRAFFICABILITY TEST ROAD SURFACES TIRE-PAVEMENT INTERACTION TRAFFIC TESTS
TRAFFIC VOLUME (PASSES) TRAFFICABILITY
TRANSIENT LOADS INSTRUMENTS UNSURFACED ROADS TRAFFIC SAFETY 6
RT SAFETY ENGINEERING
TRAFFIC ENGINEERING -- VEHICLE PERFORMANCE TRAFFICABILITY CLASSIFICATION 5 BT CLASSIFICATION TRAFFIC TESTS 2 5
BT FIELD TESTS
NT ACCELERATED TRAFFIC TESTS
CHANNELIZED TRAFFIC TESTS C CLASSIFICATION
SOIL CLASSIFICATION
SHEAR STRENGTH (SOILS)
SNOW CLASSIFICATION
--SOIL STRENGTH
--SURFACE COMPOSITION
CLASSIFICATION
--TERRAIN CLASSIFICATION
--TRAFFICABILITY
UNITED SOIL CLASSIFICA CHANNELIZED TRAFFIC TESTS
7 AIRPIELD TRAFFIC
--BEARING CAPACITY
COVERAGES (AIRCRAFT)
LOAD TESTS (PAVEMENTS)
PAVEMENT DEFLECTION
PAVEMENT DEFCRMATION
--PAVEMENT PERFORMANCE AND
EVALUATION UNIFIED SOIL CLASSIFICATION SYSTEM USDA TEXTURAL CLASSIFICATION EVALUATION ROAD RESEARCH TRAFFICABILITY DATA 5
BT TERRAIN DATA
RT CONE INDEX
METEOROLOGICAL DATA TIRE-PAVEMENT INTERACTION
TRAFFIC DISTRIBUTION
--TRAFFIC LOADS
TRAFFIC VOLUME (PASSES) RATING CONE INDEX RUT DEPTH TRAPFIC VOLUME (PASSES) 5
UF CAPACITY (TRAFFIC VOLUME)
RT AIRFIELD TRAFFIC
COVERAGES (AIRGRAFT)
--PAVEMENT DESIGN
--PAVEMENT PERFORMANCE AND
EVALUATION
TRAFFIC LONG -SHEAR STRENGTH (SOILS) SHEARGRAPH TESTS SNOW COVER
SOIL DATA
--SOIL PENETRATION TESTS
--SOIL PROPERTIES
--SOIL PROPERTY RELATIONS
--SOIL STRENOTH -- TRAFFIC LOADS -- TRAFFIC TESTS SURFACE SOIL STRENGTH -- TRAFFICABILITY TRAFFIC WATERWAYS 1
use WATERWAYS (TRANSPORTATION) VANE SHEAR TESTS TRAFFICABILITY MAPPING 5 TRAFFICABILITY 2 5
UF SOIL TRAFFICABILITY
TERRAIN TRAFFICABILITY
BT MECHANICAL PROPERTIES AFFICABILITY MAPPING 5
BT MAPPING
RT SOIL MAPPING
--SURFACE COMPOSITION MAPPING
--TERRAIN MAPPING
--TRAFFICABILITY SOIL PROPERTIES
NT BEACH TRAFFICABILITY
SNOW TRAFFICABILITY
RT-BEARING CAPACITY TRAFFICABILITY MAPS TRAFFICABILITY MAPS 5 CONE INDEX
CRITICAL LAYER
--FIELD TESTS
GROUND FLOTATION
GROUND SURFACE MAPS TERRAIN MAPS OFF-ROAD MOBILITY MAPS SOIL MAPS SOIL STRENGTH MAPS --ICE TERRAIN FACTOR MAPS ICE PREVENTION
LABORATORY CONE PENETRATION TRAFFICABILITY MAPPING TESTS MILITARY ROADS TRAFFICABILITY PREDICTION 5
BT PREDICTIONS
RT MOBILITY MODELS
PERFORMANCE PREDICTIONS --MOBILITY
MOBILITY RESEARCH LABORATORIES

The state of

OFF-ROAD MOBILITY

TRAJECTORIES 4
NT BALLISTIC TRAJECTORIES
BOMB TRAJECTORIES
MISSILE TRAJECTORIES
PROJECTILE TRAJECTORIES
ROCKET TRAJECTORIES TRAFFICABILITY PREDICTION (Con.)
SOIL MOISTURE PREDICTION
-SOIL PROPERTY RELATIONS
SOIL STRENGTH PREDICTION -TRAFFICABILITY
WATER TABLE PREDICTION TORPEDO TRAJECTORIES UNDERWATER TRAJECTORIES TRAFFICABILITY TEST INSTRUMENTS
UF MEASURING INSTRUMENTS
(TRAFFICABILITY) TRAMWAYS 3 RT--CONVEYORS RAILROADS TRAFFICABILITY)

TMEASURING INSTRUMENTS

NT BEVAMETERS

DROP COME PENETROMETERS

-DROP COME PENETROMETERS

RAMMSONDE PENETROMETERS

RT--AERIAL PENETROMETERS

AUTOMATED PENETROMETERS

COHRON SHEARGRAPH

COME PENETROMETES TRANQUIL FLOW 1 use SUBCRITICAL FLOW TRANSDUCERS 1 2 3 4 6 7 NOTE: Devices that transform -- CONE PENETROMETERS
-- PENETROMETERS energy from one form into another --PRESURE CELLS (SOILS)
PROFILOMETERS
--REMOTE SENSING INSTRUMENTS
--SAMPLERS BT SENSORS
NT PIEZOELECTRIC TRANSDUCERS
SHOCK TRANSDUCERS
RT ACCELEROMETERS --SAMPLERS
--SHEAR EQUIPMENT
--SOIL DENSITY MEASURING AUTOMATIC CONTROL --COMPUTERS DEVICES
SOIL MOISTURE MEASURING
DEVICES
-SOIL SAMPLERS
-SOIL STRENGTH TEST
INSTRUMENTS CONTROLLERS --DETECTORS DIAL GAGES
--ELECTRIC EQUIPMENT EXTENSOMETERS
--GAGES LOAD CELLS
--MEASURING INSTRUMENTS STRAIN GAGES STRESS GAGES (SOILS) --REASURING INSTRUMENTS
METEOROLOGICAL INSTRUMENTS
PORE WATER PRESSURE
--PRESSURE CELLS
PRESSURE CELLS (FLUIDS)
PRESSURE CELLS (SOILS)
PRESSURE CONTROL
BEESCHEE MEASUREMENT --TRAFFICABILITY
VANE SHEAR EQUIPMENT
--VEHICLE TEST INSTRUMENTS TRAFFICABILITY VARIATIONS 5
use SOIL PROPERTY VARIATIONS -- PRESSURE MEASUREMENT -- RECORDING INSTRUMENTS TRAILERS RAILERS 5 BT CARGO VEHICLES ROAD VEHICLES --SHEAR EQUIPMENT --STRAIN GAGES TELEMETRY SYSTEMS TOWED VEHICLES TOWED WHEELS WHEELED VEHICLES
RT--COMBAT VEHICLES
COUPLINGS (VEHICLES)
--MILITARY VEHICLES TRANSEISMIC WAVES BT ELASTIC WAVES SEISMIC WAVES WAVES SEMITRAILERS SLEDS RT AIR BLAST INDUCED GROUND --TRUCKS UTILITY CARRIERS WHEELED TRACTORS SUPERSEISMIC WAVES TRANSPORMATIONS (MATHEMATICS) 6
UF MATHEMATICAL TRANSPORMATIONS
NT BESSEL TRANSPORMATION
POURIER TRANSPORMATION TRAINING AIRCRAFT 2 4
NOTE: Includes all training NOIE: Includes all trains
planes
UF JET TRAINING AIRCRAFT
BT AIRCRAFT
RT BOMBER AIRCRAFT
FIGHTER AIRCRAFT
HELICOPTERS INTEGRAL TRANSFORMATIONS
LAPLACE TRANSFORMATION
LINEAR TRANSFORMATIONS
RT--FUNCTIONS (MATHEMATICS) TRANSIENT FLOW JET AIRCRAFT --MILITARY AIRCRAFT BT FLOW FLUID FLOW RT AERODYNAMICS
--CRITICAL FLOW TRAINING STRUCTURES (RIVERS)
use RIVER TRAINING STRUCTURES 1 2 3 --FLUID DYNAMICS FLUID RESISTANCE RAINING WALLS 1
BT WALLS
RT APPROACH CHANNELS
ENTRANCE CHANNELS
GUIDE WALLS
HEADWALLS
HEADWORKS
INTAKE CHANNELS
INTAKE TRANSITIONS
--OUTLET WORKS
SUICE GATES
SPILLWAY APPROACHES
--SPILLWAYS TRAINING WALLS HEAT TRANSMISSION --HYDRAULICS LAMINAR FLOW NONUNIFORM FLOW ORIFICE FLOW PIPE FLOW REYNOLDS NUMBER STEADY FLOW --STREAM FLOW SUBCRITICAL FLOW SUPERCRITICAL FLOW TURBULENT FLOW -- SPILLWAYS UNIFORM FLOW

-- UNSTEADY FLOW

-- TRANSITIONS (HYDRAULICS)

TRANSITION POINTS 1 RT KNUDSEN FLOW REYNOLDS NUMBER TRANSIENT LOADING 2 3 4 use TRANSIENT LOADS TRANSIENT LOADS 2 3
UF TRANSIENT LOADING
BT DYNAMIC LOADS
LOADS (PORCES)
RT--IMPULSIVE LOADS TRANSITION FLOW TRANSITION ZONES (SOILS) 2

HT--EARTH DAMS
FILTERS (SEEPAGE CONTROL)
SEEPAGE PRESSURE SHOCK TESTS
--SHOCK WAVES
TRAFFIC LOADS
TRANSIENT STRESS TRANSITIONS (HYDRAULICS) CONTRACTIONS (HYDRAULICS) EXPANSIONS (HYDRAULICS) TRANSIENT MOTION 2 RT SOIL DYNAMICS TRANSIENT WAVES INTAKE TRANSITIONS CONDUITS ENTRANCES (FLUID FLOW) GUIDE WALLS --VIBRATIONS -- OUTLETS TRANSIENT RADIATION EFFECTS 4 7 ET RADIATION EFFECTS RT--RADIATION --STREAMS TRAINING WALLS TRANSIENT STRESS 2 3 4 TRANSLATION WAVES (WATER) 1 BT STRESSES HT--DYNAMIC BEARING CAPACITY EARTHQUAKES
IMPACT COMPACTION
--IMPULSIVE LOADS
SHOCK MECHANICS
--SHOCK TESTS
--SHOCK WAVES THANSLATIONS 1 2 3 4 5 6 7
HT ABSTRACTS
DOCUMENTATION -- DOCUMENTS INFORMATION RETRIEVAL SOIL DYNAMICS --TRANSIENT LOADS TRANSLATORY SLIDES
BT EARTH MOVEMENTS TRANSIENT WAVES 2 4 LANDSLIDES MASS WASTING BT WAVES RT TRANSIENT MOTION SLIDES RT CULMANNS METHOD --VIBRATIONS WEDGE METHOD TRANSIENTS (HYDRAULICS)
use HYDRAULIC TRANSIENTS TRANSLATORY WAVES NOTE: Waves in open channel which tend to overtake TRANSISTOR CIRCUITS BT CIRCUITS RT TRANSISTORS each other and form a single larger wave BT WATER WAVES WAVES
RT FLOW RATE
OPEN CHANNEL FLOW TRANSISTORS RT SEMICONDUCTORS TRANSISTOR CIRCUITS TRANSIT CAPACITIES (WATERWAYS)
use SHIP TRANSIT CAPACITIES TRANSMISSION DESIGN BT DESIGN VEHICLE DESIGN TRANSIT MIXED CONCRETE RT--DRIVE SYSTEMS USE READY MIXED CONCRETE
TRANSIT MIXERS TRANSMISSION LINES UF ELECTRIC CABLES ELECTRIC LINES TRANSIT MIXERS UF TRANSIT MIXED CONCRETE BT MIXERS RT CONCRETE MIXERS RT--CIRCUITS ELECTRIC CURRENTS ELECTRIC WIRE POWER TRANSMISSION SYSTEMS READY MIXED CONCRETE -- TELECOMMUNICATION TRANSITION FLOW 1 UF LAMINAR-TURBULENT FLOW TRANSMISSIONS 5 RT--DRIVE SYSTEMS TURBULENT-LAMINAR FLOW FLOW FLUID FLOW ELECTRIC DRIVES HYDRAULIC DRIVES GAS FLOW MOLECULAR FLOW POWER WHEELS RT--CRITICAL FLOW FLOW PATTERNS FREE MOLECULE FLOW FROUDE NUMBER TRANSMISSIVITY 1
RT DARCYS LAW
DIPFUSIVITY
HYDROLOGIC PROPERTIES PERMEABILITY POROUS MEDIA HYDRAULIC JUMP LAMINAR FLOW REYNOLDS NUMBER SATURATED FLOW SLIP FLOW TRANSITION POINTS SPECIFIC YIELD

TURBULENT FLOW

TRANSITION LOSSES use HEAD LOSSES TRANSMISSIVITY (Con.)
STORAGE COEFFICIENT
THEIS EQUATION
THEM EQUATION
WAVE PROPAGATION
TRANSONIC AIRCRAFT 2
USE SUPERSONIC AIRCRAFT

TRANSONIC FLOW 1
UF TRANSONICS
BT COMPRESSIBLE FLOW
FLOW
FLUID FLOW
RT AERODYNAMICS
--GAS FLOW
--SHOCK WAVES
--WIND TUNNELS

TRANSONICS 1
use TRANSONIC FLOW

TRANSPIRATION 1 2 7
NOTE: Process by which
water vapor escapes from
a living plant and enters
the atmosphere
NT EVAPOTRANSPIRATION
RT CARBON CYCLE
--CLIMATOLOGY
DEHYDRATION
DESICCATION
DRYING
--ENERGY BUDGET
--EVAPORATION
EVAPOTRANSPIRATION
HYDROLOGIC CYCLE
HYDROLOGIC CYCLE
HYDROLOGIC CYCLE
HYDROLOGIC EQUATION
MICROENVIRONMENT
PHOTOSYNTHESIS
RESPIRATION
--VAPORIZING
VEGETATIVE COVER
WATER LOSS

TRANSPORT AIRCRAFT 2 4
UF JET TRANSPORT AIRCRAFT
BT AIRCRAFT
NT CARGO AIRCRAFT
RT HELICOPTERS
JET AIRCRAFT
--MILITARY AIRCRAFT
UTILITY AIRCRAFT

TRANSPORT OF SOLIDS 1 7
use SUSPENDED SOLIDS

TRANSPORT VEHICLES 5
use CARGO VEHICLES

TRANSPORTATION 2 5 6 7
UF TRANSPORTATION SYSTEMS
NT HIGH SPEED GROUND
TRANS PORTATION
MILITARY TRANSPORTATION
SHIPPING
RT--BRIDGES
CARGO AIRCRAFT
--CARGO VEHICLES
HAULING
LOGISTIC SUPPORT
LOGISTICS
MATERIALS HANDLING
PACKAG NG
RAILROADS
RAPID TRANSIT SYSTEMS
REGIONAL PLANNING
--ROADS
ROUTING
TRANSPORTATION FACILITIES

TRANSPORTATION FACILITIES 6 7 RT--TRANSPORTATION TRANSPORTATION SYSTEMS 2 5 6 7 use TRANSPORTATION

TRANSTIDAL WAVES 1 use TSUNAMIS

TRANSVERSE JOINTS 2 3 4 5 BT JOINTS (JUNCTIONS)
RT CONSTRUCTION JOINTS CONTROL JOINTS
LONGITUDINAL JOINTS
--SLABS

TRANSVERSE WAVES 2 4 use SHEAR WAVES

TRAPEZOIDAL CHANNELS 1
BT CHANNELS
RT CANAL DESIGN
CANAL EMBANKMENTS
--CANALS
OPEN CHANNEL FLOW
--OPEN CHANNELS
TRAPEZOIDAL FLUMES

TRAPEZOIDAL FLUMES 1
BT FLUMES (WATER CONVEYANCE STRUCTURES)
RT--OPEN CHANNELS
TRAPEZOIDAL CHANNELS

TRAPEZOIDAL FOOTINGS 2 4
BT FOOTINGS
FOUNDATIONS
SHALLOW FOUNDATIONS
RT COLUMN FOOTINGS
COMBINED FOOTINGS

TRAPEZOIDAL WEIRS 1 BT WEIRS

TRAPROCK 3 RT--AGGREGATES

TRASHRACKS 1
BT BARRIERS
DEBRIS BARRIERS
RT--INTAKE STRUCTURES
INTAKE TOWERS
--INTAKES
--OUTLET WORKS
PUMP INTAKES

TRASS 3 BT POZZOLANS

TRAVELING GRATES
RT KILNS
SINTERING

TREADS 5

NT TIRE TREADS
TRACK TREADS
RT TIRE TREAD PATTERNS

TREATED TIMBER PILES 2
UF CREOSOTED PILES
BT PILES
TIMBER PILES
RT MARINE BORER ATTACK
(PILES)
PILE TREATMENT
--WOOD PRESERVATIVES

TREATIES 6
RT--AGREEMENTS
NEGOTIATIONS

TREE CROWNS 5
use CROWN CHARACTERISTICS
(VEGETATION)

TREE CRUSHERS 5
BT LAND CLEARING VEHICLES
OFF-ROAD VEHICLES
RT--CLEARING
FORESTRY VEHICLES
LOGGING VEHICLES
VEGETATION CLEARING

TREE GEOMETRY 5
use VEGETATION STRUCTURE

TREES 5 7
BT PLANTS (BOTANY)
NT DECIDUOUS TREES
PINE TREES
BIOLOGY
CROWN CHARACTERISTICS
(VEGETATION)
FORESTRY
--FORESTS
RAIN FORESTS
SHRUBS
VEGETATION
VEGETATION CLASSIFICATION
VEGETATION DESCRIPTIONS
VEGETATIVE COVER

TREMIE CONCRETE 2 3
NOTE: Concrete placed
underwater
BT CONCRETES
RT--CONCRETE PLACING
CONCRETE PUMPS
UNDERWATER CONSTRUCTION
UNDERWATER FOUNDATIONS

TRENCH BRACING 2
RT BRACED EXCAVATION
--BRACINGS
--LAGGING
SHEET PILING
SHEETING
SHORING
--TRENCHES

TRENCH DRAINS 1 2
NOTE: Underground passageways
for water through the
interstices among stones
placed loosely in a trench
UF FRENCH DRAINS
BT DRAINAGE STRUCTURES
DRAINS
SUBDRAINS
RT COUNTERFORT DRAINS
CRUSHED STONE
DAM UNDERSEEPAGE
--GRAVELS
MOUND DRAINS
--TRENCHES

TRENCHES 1 2 4

NOTE: Long narrow cuts in the ground
NT EXPLORATORY TRENCHES
SLURRY TRENCHES
SLURRY TRENCHES
RT BACKFILLS
--DITCHES
DRIFTS (MINING)
EARTHWORK
--EXCAVATION
--EXPLOSIVE EXCAVATION
--MINES (EXCAVATION)
PIPE COVER
PIPE CRADLES
PIPELAYING
--PIPELINES
PIT RUN MATERIALS
--PITS
--SUBSURFACE EXPLORATION
TRENCH BRACING
TRENCH DRAINS
TRENCHING MACHINES

TRENCHES (OCEANIC) 1 2
NOTE: Long but narrow
depressions of the deep-sea
floor having relatively
steep sides
RT DEEPS (OCEANIC)
OCEAN BOTTOM
SUBMARINE CANYONS
SUBMARINE TOPOGRAPHY
TROUGHS (OCEANIC)
--VALLEYS

TRENCHING 3 BT EXCAVATION RT SHORING

TRENCHING MACHINES 2
BT CONSTRUCTION EQUIPMENT
EARTH HANDLING EQUIPMENT
EXCAVATORS
RT BACKHOES
PIPELINE DREDGES
--TRENCHES

TRESTLES 4
RT--BRIDGES
SUPPORTS
VIADUCTS

TRIAL MIX PROPORTIONING 3
use CONCRETE MIXTURES
PROPORTIONING (CONCRETE)

TRIANGULAR FLUMES 1
BT FLUMES (WATER CONVEYANCE STRUCTURES)

TRIANGULAR WEIRS 1
use VEE-NOTCHED WEIRS

TRIANGULATION 2
RT CONFORMAL MAPPING
GEODETIC SURVEYS
--MAPPING
SURVEYING
TERRAIN MAPPING
THEODOLITES

TRIANGULATION NETS 1
RT RESERVOIR SURVEYS
--SURVEYING

TRIASSIC PERIOD 2 BT MESOZOIC ERA

TRIAXIAL COMPRESSION 2 3
BT COMPRESSION
RT--TRIAXIAL SHEAR TESTS
TRIAXIAL STRESS
TRIAXIAL TENSION

TRIAXIAL COMPRESSION TESTS 2 3
USE TRIAXIAL SHEAR TESTS

TRIAXIAL LOADS 2 3 use TRIAXIAL STRESS

TRIAXIAL SHEAR EQUIPMENT 2 3
BT SHEAR EQUIPMENT
RT PISTON FRICTION
SPECIMEN DRAINS
--STRAIN MEASURING INSTRUMENTS
-TRIAXIAL SHEAR TESTS
TRIAXIAL STRESS

TRIAXIAL SHEAR TESTS 2 3

UF CONTROLLED STRAIN TESTS
CONTROLLED STRESS TESTS
TRIAXIAL COMPRESSION TESTS
BT COMPRESSION TESTS
SHEAR TESTS
NT TRIAXIAL SHEAR TESTS (ROCK)
TRIAXIAL SHEAR TESTS (SOILS)

TRIAXIAL SHEAR TESTS (Con.) RT BACK PRESSURE BACK PRESSURE SATURATION BACK PRESSURE SATURATION
CONCRETE CREEP TESTS
COMPINING PRESSURE
--CREEP TESTS
DEVIATOR STRAIN
DEVIATOR STRAIN
DEVIATOR STRESS
LOADING MACHINES
PISTON PRICTION
--PORE PRESSURE
PORE PRESSURE COEFFICIENTS
PRINCIPAL STRESS PORE PRESSUME COEFFICIENT
PRINCIPAL STRESS
-SMEAR STRENGTH
STRESS-STRAIN CURVES
TRIAXIAL COMPRESSION
TRIAXIAL SHEAR EQUIPMENT
TRIAXIAL STRESS
TRIAXIAL TEST MEMBRANES TRIAXIAL SHEAR TESTS (ROCK) 2
BT COMPRESSION TESTS
SHEAR TESTS
TRIAXIAL SHEAR TESTS
RT POLYAXIAL COMPRESSION TESTS
(ROCK) TRIAXIAL SHEAR TESTS (SOILS) TRIAXIAL SHEAR TESTS (SOILS) 2
BT COMPRESSION TESTS
SHEAR TESTS
SOIL TESTS (LABORATORY)
TRIAXIAL SHEAR TESTS
RT PORE PRESSURE MEASUREMENT
Q TESTS (SOILS)
R TESTS (SOILS)
S TESTS (SOILS) -- SATURATION (SOILS)
SOIL CREEP TESTS
TRIAXIAL SHEAR TESTS (ROCK)
-- UNDRAINED SHEAR TESTS TRIAXIAL STRESS 2 3 4
UF LOADS (TRIAXIAL)
TRIAXIAL LOADS
BT MECHANICAL PROPERTIES STRESSES CONFINING PRESSURE DEVIATOR STRESS DEVIATOR STRESS
LOADS (FORCES)
PRINCIPAL STRESS
TRIAXIAL COMPRESSION
TRIAXIAL SHEAR EQUIPMENT
TRIAXIAL SHEAR TESTS
TRIAXIAL TENSION TRIAXIAL TENSION 2 3 4
BT TENSION
RT--TENSILE STRENGTH
--TENSION TESTS
TRIAXIAL COMPRESSION
TRIAXIAL STRESS TRIAXIAL TEST MEMBRANES 2 BT MEMBRANES RT--TRIAXIAL SHEAR TESTS TRIBARS 1
NOTE: Patented precast concrete armor units BT ARMOR UNITS TRIBUTARIES RUNNING WATERS STREAMS WATERWAYS (WATERCOURSES) BACKWATER BAYOUS CHANNEL JUNCTIONS DRAINAGE DENSITY RIVER SYSTEMS

TRIBUTARIES (Con.) STREAM DRAINAGE PATTERNS TRICKLING FILTERS RICKLING FILTERS 1 7
NOTE: Devices for the
biological or secondary
treatment of waste water
consisting of a bed of
rocks or stones that support
bacterial growth
BT FILTERS
FILID FILTERS
RT ORGANIC LOADING
--SEWAGE TREATMENT
WASTE WATER TREATMENT 1 7 WASTE WATER TREATMENT TRIFURCATIONS BT BRANCHES RT--BIFURCATIONS -- CANALS DISCHARGE LINES HYDRAULIC STRUCTURES JUNCTIONS PENSTOCKS --PIPELINES WYE BRANCHES TRIGONOMETRIC FUNCTIONS use PERIODIC FUNCTIONS RIGONOMETRY 1 6 BT ANALYTIC GEOMETRY RT--EUCLIDEAN GEOMETRY TRIGONOMETRY -- GEOMETRY --SURVEYING TRIGONS 1
NOTE: Precast concrete armor units
BT ARMOR UNITS TRI-LONGS 1
NOTE: Precast concrete armor units
BT ARMOR UNITS TRINITROPHENYLMETHYLNITRAMINE use TETRYL TRINITROTOLUENE 2 4
use TNT TRIPODS 1
NOTE: Precast concrete armor units
BT ARMOR UNITS TRIPTON 7
NOTE: Nonliving component of the seston; suspended non-living matter in a body of water
BT SESTON
RT--ORGANIC MATTER
ORGANIC WASTES --SEDIMENT SEDIMENT TRANSPORT TROCHOIDAL WAVES 1
use ROTATIONAL WAVES (WATER) TROPHIC LEVEL 7
NOTE: One of the parts in a
nutritive series in an
ecosystem in which a group
of organisms in a certain
stage in the food chain secures food in the same general manner RT BALANCE OF NATURE CARNIVORES -- ECOSYSTEMS EUTROPHICATION

TROPHIC LEVEL (Con.)

POOD CHAINS
HERBIVORES
OMNIVORES
--PRODUCTIVITY
STANDING CROP

TROPICAL CYCLONES 1
UF TROPICAL STORMS
BT CYCLONES
NT HURRICANES
TYPHOONS
RT MONSONS
OCEANS
--WIND (METEOROLOGY)

TROPICAL REGIONS 2 5 6
BT ENVIRONMENTS
REGIONS
RT CLIMATIC ANALOGS
CLIMATOLOGY
GEOGRAPHY
HUMID REGIONS
JUNGLE TRAILS
JUNGLES
LATERITES
RAIN FORESTS
TROPICAL SOILS

TROPICAL SOILS 2
RT BAUXITE
LATERITES
TROPICAL REGIONS

TROPICAL STORMS 1
use STORMS
TROPICAL CYCLONES

TROUGHS (OCEANIC) 1 2
BT TOPOGRAPHIC FEATURES
RT OCEAN BOTTOM
SUBMARINE CANYONS
SUBMARINE TOPOGRAPHY
TRENCHES (OCEANIC)
--VALLEYS

TROUT 7
BT AQUATIC ANIMALS
FISHES
VERTEBRATES
RT--PRESHWATER FISHES
MARINE FISHES

TROWELING 3
use CONCRETE FINISHING (FRESH CONCRETE)

TRUCK TRACTORS 5
use WHEELED TRACTORS

TRUCKS 2 3 5
BT WHEELED VEHICLES
NT FORK LIFT TRUCKS
TANK TRUCKS
RT AGRICULTURAL VEHICLES
AMBULANCES
--AMPHIBIOUS VEHICLES
BULK TRANSPORTERS
--CARGO VEHICLES
--COMBAT VEHICLES
--COMBAT VEHICLES
--CONSTRUCTION EQUIPMENT
ELECTRIC VEHICLES
--PORESTRY VEHICLES
INDUSTRIAL VEHICLES
--LOGGING VEHICLES
--MATERIALS HANDLING EQUIPMENT
--MILITARY VEHICLES
--MILERS
--OFF-ROAD VEHICLES
RECOVERY VEHICLES
--ROAD VEHICLES
--ROAD VEHICLES
--SELF PROPELLED VEHICLES

TRUCKS (Con.)
SEMITRAILERS
TRAFFIC LOADS
TRAILERS
UTILITY CARRIERS
WHEELED TRACTORS

TRUSS BRIDGES 2 5
BT BRIDGES
RT BAILEY BRIDGES
CANTILEVER BRIDGES
--MILITARY BRIDGES
SUSPENSION BRIDGES

TRUSSES 3 4
BT STRUCTURAL FORMS
STRUCTURAL MEMBERS
RT--ARCHES
--BEAMS (SUPPORTS)
--FRAMED STRUCTURES
--GIRDERS
I-BEAMS
RIGID FRAMES

TSUNAMI BARRIERS
BT BARRIERS
BREAKWATERS
RT TSUNAMIS

TSUNAMIS 1
NOTE: Seismic generated water
waves
UF SEISMIC SEA WAVES
TRANSTIDAL WAVES
BT OCEAN WAVES
WATER WAVES
WAVES
TO WATER WAVE HEIGHT
WATER WAVE RUN-UP

TUBE TURBINES 1 BT HYDRAULIC TURBINES

TUBES 1 2 6
BT CLOSED CONDUITS
NT CAPILLARY TUBES
CATHODE RAY TUBES
-ELECTRON TUBES
IMPEDANCE TUBING
-RIGID TUBING
SHOCK TUBES
VORTEX TUBES
VORTEX TUBES
RT FLEXIBLE TUBING
MANIFOLDS
-PIPES
SIPHONS

TUCKPOINTING 3
NOTE: Finishing of joints
along the center lines with
putty or mortar
RT--MAINTENANCE
--MASONRY
MORTARS (MATERIAL)

TUFF 2 3 BT IGNEOUS ROCKS ROCKS

TUGBOATS 1
NOTE: Small, powerful boats
for towing or pushing ships
BT BOATS
RT TOWS AND TOWING
--WATERWAYS (TRANSPORTATION)

TUMBLE GATES 1
BT HYDRAULIC GATES
LOCK GATES

TUNNEL DESIGN (Con.)
TUNNEL CONSTRUCTION
TUNNEL HYDRAULICS
TUNNEL LININGS
TUNNEL PLUGS
TUNNEL PRESSURE Treeless land in arctic and alpine regions varying from bare area to various types of vegetation consisting of grasses, sedges, forbs, dwarf shrubs, mosses, and TUNNELS UNDERGROUND STRUCTURE 11chens DESIGN BIOMES --WATER TUNNELS ARCTIC REGIONS FROZEN SOILS TUNNEL DETECTION 5
RT CAMOUFLAGE
MILITARY GEOGRAPHIC PERMAFROST PERMAFROST REGIONS SUBARCTIC REGIONS INTELLIGENCE
--MILITARY OPERATIONS TUNGSTEN 2
UF WOLFRAM
BT METALS
RT ALLOYS --SECURITY
SEISMIC INVESTIGATIONS
TERRAIN ANALYSIS -STEELS TUNNEL DIODES 6
BT DIODES
RT ELECTRON TUNNELING
SEMICONDUCTORS --WELDING TUNNEL CLOSURES BT CLOSURES RT BARRIERS TUNNEL FAILURES 2 3 4 --JOINTS (JUNCTIONS)
--SEALERS BT FAILURES
RT ROCK BURSTS
ROCK CREEP
ROCK FAILURE
ROCK FAILURE
ROCK FACTURE SEALING COMPOUNDS SEALS (STOPPERS) UNDERGROUND OPENINGS TUNNEL CONSTRUCTION 1 2 3 4
UF TUNNELING
BT CONSTRUCTION
RT BRACED EXCAVATION TUNNEL CONSTRUCTION
--TUNNELS TUNNEL HYDRAULICS --BRACINGS COMPRESSED AIR FLUID MECHANICS HYDRAULICS DIVERSION TUNNELS
DRIFTS (MINING)
--EARTH HANDLING EQUIPMENT
--EARTH PRESSURE HIDRAULIUS
DIVERSION TUNNELS
FREE FLOW
PRESSURE TUNNELS
ROUGHNESS COEFFICIENT
SURFACE ROUGHNESS EARTHWORK --EXCAVATION
--EXPLOSIVES (HYDRAULICS)
TUNNEL DESIGN
TUNNEL LININGS HAULING --JACKING MECHANICAL BORERS
--MINES (EXCAVATIONS)
--MINING
MINING ENGINEERING --TUNNELS UNLINED TUNNELS
--WATER TUNNELS TUNNEL LININGS 1 2 3 OVEREXCAVATION LININGS CONCRETE LININGS ROCK BLASTING ROCK BOLTS ROCK EXCAVATION DIVERSION TUNNELS DIVERSION TUNNELS
--GROUTING
HYDRAULIC GRADIENTS
--LINED TUNNELS
PRESSURE TUNNELS
STEEL LININGS
TIMBER CONSTRUCTION
TUNNEL CONSTRUCTION
TUNNEL DESIGN
TUNNEL HYDRAULICS
TUNNEL PRESSURE ROCK MASSES SHIELD METHOD (TUNNELING) SHORING SLIP FORMS SOIL STABILIZATION BY FREEZING --SPOIL SUBSIDENCE TIMBER CONSTRUCTION TIMBERS TUNNEL PRESSURE TIMBERS
TUNNEL DESIGN
TUNNEL FAILURES
TUNNEL LININGS
TUNNEL PLUGS
TUNNEL SUPPORTS
TUNNELING MACHINES -- WATER TUNNELS -- WATERPROOFING NEL PLUGS 1 2
T DIVERSION TUNNELS
HYDRAULIC GRADIENTS
PRESSURE TUNNELS
TUNNEL CONSTRUCTION
TUNNEL DESIGN
--TUNNELS
--WATER TUNNELS TUNNEL PLUGS --TUNNELS
--UNDERGROUND CONSTRUCTION UNDERGROUND OPENINGS --WATER TUNNELS TUNNEL DESIGN 1 2 3 DESIGN DIVERSION TUNNELS TUNNEL PRESSURE 1 2
BT PRESSURE
RT--HYDRAULIC GRADIENTS
HYDROELECTRIC PLANTS
PRESSURE TUNNELS
TUNNEL DESIGN ENGINEERING GEOLOGY HYDRAULIC GRADIENTS MINING ENGINEERING PRESSURE TESTS (TUNNELS) PRESSURE TUNNELS

TUNNEL PRESSURE (Con.)
TUNNEL LININGS
--WATER PRESSURE TUNNEL SUPPORTS 2 3
UF STEEL SUPPORTS (TUNNELS)
BT SUPPORTS
RT TUNNEL CONSTRUCTION --TUNNELS TUNNELING 1 2 3 4
use TUNNEL CONSTRUCTION TUNNELING (ELECTRONICS) use ELECTRON TUNNELING TUNNELING MACHINES 2 3 4 BT CONSTRUCTION EQUIPMENT EARTH HANDLING EQUIPMENT RT--EXCAVATORS -EXCAVATORS
MECHANICAL BORERS
RAPID EXCAVATION
SHIELD METHOD (TUNNELING)
TUNNEL CONSTRUCTION --TUNNELS -- UNDERGROUND CONSTRUCTION UNNELS 1 2 3 4

NT ADITS
CONCRETE LINED TUNNELS
DIVERSION TUNNELS
--LINED TUNNELS
PRESSURE TUNNELS
RAILROAD TUNNELS
SUBWAY TUNNELS
UNLINED TUNNELS
VEHICULAR TUNNELS
WATER TUNNELS
WATER TUNNELS (TESTING)
WIND TUNNELS 1 2 3 4 WIND TUNNELS ACCESSIBLE EXPLORATION AQUEDUCTS BURIED ARCHES BURROWS DISCHARGE LINES ENGINEERING GEOLOGY -EXCAVATION --MINES (EXCAVATIONS)
--MINING ROADS ROCK MECHANICS SHAFTS (EXCAVATIONS) SHIELD METHOD (TUNNELING) STREETS SUBWAYS TUNNEL CONSTRUCTION TUNNEL DESIGN TUNNEL FAILURES TUNNEL HYDRAULICS TUNNEL HIDMAULICS
TUNNEL LININGS
TUNNEL PLUGS
TUNNEL SUPPORTS
TUNNELING MACHINES
UNDERGROUND OPENINGS
UNDERGROUND STRUCTURES UNDERPASSES TUNNELS (TESTING) 1
use WATER TUNNELS (TESTING)
WIND TUNNELS TURBIDIMETERS 1 3 7
NOTE: Devices used to measure the amount of suspended solids in a liquid
UF TURBIDITY METERS
BT MEASURING INSTRUMENTS
RT--CHEMICAL ANALYSIS
COLLOIDS
LIGHT PENETRATION
PHOTOMETERS

PHOTOMETERS SUSPENDED LOAD SUSPENDED SOLIDS

TURBIDITY 1 3 7

NOTE: Condition of a body of water that contains suspended material such as clay or silt particles, dead organisms or their parts, or small living plants and animals RT--AQUATIC ENVIRONMENT COLLOIDS
DENSITY (MASS/VOLUME)
IMMISCIBILITY
LIGHT PENETRATION OPACITY OPTICAL PROPERTIES OPTICAL PROPERTIES
SOLUBILITY
--SUSPENDED LOAD
SUSPENDED SOLIDS
TURBIDITY CURRENTS
WATER ANALYSIS
--WATER POLLUTION
--WATER POLLUTION EFFECTS
WATER PROPERTIES
HATER ONALITY WATER QUALITY TURBIDITY CURRENTS 1
BT WATER CURRENTS
RT CONTINENTAL SLOPE
DENSITY CURRENTS
--EROSION OCEAN CURRENTS --SLOPES STREAM EROSION TURBIDITY TURBIDITY METERS 1 3 7 TURBINE BLADES 1
BT TURBINE COMPONENTS
RT IMPELLERS --TURBINES TURBINE COMPONENTS
NT DRAFT TUBES
TURBINE BLADES
TURBINE RUNNERS
TURBINE SHAFTS
TURBINE WHEELS RT--NOZZLES ROTORS TURBINE EFFICIENCY RT FLOW MEASUREMENT --FLUID FLOW --HYDRAULIC TURBINES
PRESSURE HEAD
--REACTION TURBINES
VELOCITY HEAD TURBINE RUNNERS BT TURBINE COMPONENTS RT IMPELLERS -- REACTION TURBINES TURBINE SHAFTS BT TURBINE COMPONENTS RT--TURBINES TURBINE WHEELS 1
BT TURBINE COMPONENTS
RT--TURBINES TURBINES 1
BT TURBOMACHINERY
NT AXIAL FLOW TURBINES
BULB TURBINES
--HYDRAULIC TURBINES
KAPLAN TURBINES
PELTON TURBINES
--PUMP TURBINES
STEAM TURBINES

TURBULENT FLOW (Con.)
--LIQUID FLOW
--MULTIPHASE FLOW
NONUNIFORM FLOW
OPEN CHANNEL FLOW TURBINES (Con.) RT AXIAL FLOW IMPELLERS --NOZZLES NOZZLES
SPEED REGULATORS
TURBINE BLADES
TURBINE RUNNERS
TURBINE SHAFTS
TURBINE WHEELS
WATER WHEELS OPEN CHANNEL FLOW ORIFICE FLOW PIPE FLOW REYNOLDS NUMBER SINGLE PHASE FLOW STEADY FLOW STEAM FLOW TURBOMACHINERY 1
NT AXIAL PLOW TURBINES
CENTRIFUGAL PUMPS
HYDRAULIC TURBINES
--TURBINES SUBCRITICAL FLOW SUPERCRITICAL FLOW TEST CANALS TRANSIENT FLOW TRANSITION FLOW TURBULENCE RT BLOWERS TURBULENT BOUNDARY LAYER TWO PHASE FLOW UNIFORM FLOW --UNSTEADY FLOW TURBULENCE 1
RT AIR CIRCULATION
AIR DEMAND
AIR MASSES VISCOSITY VISCOUS FLOW --VORTICES EDDIES -FLOW -- FLUID DYNAMICS TURBULENT-LAMINAR FLOW USE TRANSITION FLOW --FLUID FLOW FRAZIL ICE TURF GRASSES GUSTS HEAT TRANSFER BT GRASSES PLANTS (BOTANY) -HYDRAULICS RT TURF MULCHES MIXING REAERATION REYNOLDS NUMBER TURF MULCHES BT MULCHES
RT TURF GRASSES REYNOLDS NUMBER
ROTATIONAL FLOW
STEADY FLOW
STORMS
TURBULENT BOUNDARY LAYER
TURBULENT DIFFUSION
TURBULENT FLOW TURGO-TYPE TURBINES 1
BT HYDRAULIC TURBINES
RT--IMPULSE TURBINES -UNSTEADY FLOW TURNING BASINS RT CANALS -- VORTICES WAKES
--WATER CIRCULATION
--WATER WAVES
--WIND (METEOROLOGY) WATERWAYS (TRANSPORTATION) TURNOUT GATES 1
BT HYDRAULIC GATES
RT TURNOUTS TURBULENT BOUNDARY LAYER 1 BT BOUNDARY LAYER RT BOUNDARY SHEAR TURNOUTS RT BURIED IRRIGATION SYSTEMS
--IRRIGATION CANALS
IRRIGATION DITCHES LAMINAR BOUNDARY LAYER TURBULENCE TURBULENT FLOW IRRIGATION ENGINEERING TURNOUT GATES TURBULENT DIFFUSION NOTE: Process by which gas released in an air current WATER DISTRIBUTION TURNOVERS 7 NOTE: Mixing of layers of water in lakes in the spring becomes dispersed in that current
UF EDDY DIFFUSION
BT DIFFUSION
RT TURBULENCE and autumn UF OVERTURNS RT--LAKES TURBULENT FLOW 1 MEROMIXIS -- RESERVOIRS THERMAL STRATIFICATION BT FLOW FLUID FLOW FLUID FLOW
AERODYNAMICS
AIR CIRCULATION
BED LOAD
BOUNDARY LAYER TRANSITION
BOUNDARY SHEAR
--CRITICAL FLOW TWIN WHEELS 5 UF DUAL WHEELS BT WHEELS RT - - AIRCRAFT --LANDING GEAR MULTIPLE WHEEL LANDING --CRITICAL FLOW EDDIES FLOW DISTRIBUTION FLOW PATTERNS --FJUID DYNAMICS FLUID RESISTANCE --GAS FLOW HEAD LOSSES HIGH VELOCITY HAND AND THE PROPERTY OF THE PRO TWO DIMENSIONAL FLOW BT FLOW FLUID FLOW TWO LAYER SOIL SYSTEM HYDRAULIC JUMP INVISCID FLOW BT LAYERED SYSTEMS RT LAYERED SOILS

LAMINAR PLOW

TWO LAYER SOIL SYSTEM (Con.) SOIL LAYERS SOIL STRATIFICATION

TWO PHASE FLOW 1
BT FLUID FLOW
MULTIPHASE FLOW
RT--GAS FLOW
LAMINAR FLOW
--LIQUID FLOW
SINGLE PHASE FLOW
STEADY FLOW
TURBULENT FLOW

TYPHOOMS 1
BT CYCLOMES
STORMS
TROPICAL CYCLOMES
RT GUSTS
HURRICAMES
RAIN AND RAINFALL
--WIND (METEOROLOGY)

TYRES 5

U-FRAME LOCKS 2 3 BT LOCKS (WATERWAYS) ULTIMATE BEARING CAPACITY 2 3
use BEARING CAPACITY ULTIMATE LOADS LTIMATE LOADS 2 3 4
UF LIMIT LOADS
BT LOADS (PORCES)
RT--BEARING CAPACITY
FOUNDATION FAILURES
LIMIT ANALYSIS
LIMIT DESIGN
STRENGTH OF MATERIALS LTIMATE STRENGTH 2 3 4
NOTE: Maximum stress developed
in a specimen
BT MECHANICAL PROPERTIES
RT--COMPRESSIVE STRENGTH
CREEP STRENGTH
--FLEXURAL STRENGTH
PEAK STRENGTH ULTIMATE STRENGTH --FLEXURAL STRENGTH
PEAK STRENGTH
RESIDUAL SHEAR STRENGTH
--SHEAR STRENGTH
STRENGTH OF MATERIALS
--STRENGTH THEORIES
--TENSILE STRENGTH
ULTIMATE STRENGTH
YIELD STRENGTH ULTIMATE STRENGTH DESIGN 2 3 use PLASTIC DESIGN ULTIMATE STRENGTH METHOD BT STRUCTURAL ANALYSIS RT--PLASTIC ANALYSIS --TENSILE STRENGTH ULTIMATE STRENGTH ULTRASONIC FLOWMETERS 1
use ACOUSTIC FLOWMETERS ULTRASONIC PULSE VELOCITY TESTS 3
BT NONDESTRUCTIVE TESTS
ULTRASONIC TESTS
RT SONISCOPES ULTRASONIC TESTS 1 2 3
UF PULSE ECHO TECHNIQUES
NT ULTRASONIC PULSE VELOCITY TESTS RT COMPRESSION WAVES
--CONCRETE TESTS
LAMB WAVES
--NONDESTRUCTIVE TESTS -- RESONANCE SONIC TESTS SONISCOPES SOUND WAVES ULTRASONICS ULTRASONIC WAVES 3 4
BT WAVES
RT ULTRASONICS ULTRASONIC WELDING 2 6 BT WELDING RT SPOT WELDING ULTRASONICS 1 2 3 4
BT SONICS
RT ACOUSTICS
OSCILLATORS
--RESONANCE
SOUNDING METHODS (WATER)
--ULTRASONIC TESTS
ULTRASONIC WAYES

ULTRAVIOLET INSTRUMENTS 3 5 BT ELECTROMAGNETIC SENSORS MEASURING INSTRUMENTS

ULTRAVIOLET INSTRUMENTS (Con.)
NUCLEAR EQUIPMENT
RT REMOTE SENSING INSTRUMENTS
--SOIL DENSITY MEASURING
DEVICES ULTRAVIOLET RAYS ULTRAVIOLET RAYS 3 5 6
BT ELECTROMAGNETIC RADIATION
WAVES
RT LIGHT (ILLUMINATION)
--SOLAR RADIATION SUNLIGHT ULTRAVIOLET INSTRUMENTS ULTRAVIOLET SPECTROSCOPY ULTRAVIOLET SPECTROSCOPY 3 DTRAVIOLET SPECTROSCOPY
BT SPECTROSCOPY
RT ATOMIC SPECTROSCOPY
EMISSION SPECTROSCOPY
--SPECTROSCOPIC ANALYSIS
SPECTRUM ANALYSIS
ULTRAVIOLET RAYS
X RAY SPECTROSCOPY UNBONDED PRESTRESSING BT PRESTRESSING RT BONDING NCASED PILES 2 3
UF SHELL-LESS PILES
BT CAST-IN-PLACE PILES
CONCRETE PILES
CONCRETE PRODUCTS UNCASED PILES PILES AUGERED CONCRETE PILES --BORED PILES
--BORED PILES
FRANKI PILES (UNCASED)
WESTERN PILES (UNCASED)
RT--CASED PILES UNCONFINED AQUIFERS 1 2 7 UNCONFINED COMPRESSION TESTS
(SOILS) 2
BT COMPRESSION TESTS
SHEAR TESTS
SOIL TESTS (LABORATORY)
UNDRAINED SHEAR TESTS
RT LOADING MACHINES
Q TESTS (SOILS)
SENSITIVITY
SENSITIVITY RATIO
STRAIN MEASUREMENT
STRAIN HATE
STRESS-STRAIN CURVES
UNIAXIAL COMPRESSION TESTS
(ROCK)
--VANE SHEAR TESTS -- VANE SHEAR TESTS UNCONFORMITIES (GEOLOGY)

NOTE: Break in the stratigraphic sequence in which younger beds repose on older beds which do not immediately precede them in the geological succession RT BEDS (GEOLOGY)
STRATIGRAPHY

UNCONSOLIDATED SOILS 2 RT--ALLUVIUM
NORMALLY CONSOLIDATED
SOILS OVERCONSOLIDATED SOILS STRESS HISTORY UNDERCONSOLIDATION

UNCONSOLIDATED UNDRAINED SHEAR TESTS 2

UNCONVENTIONAL VEHICLES 5
NT BUOYANT SCREW VEHICLES

UNCONVENTIONAL VEHICLES (Con.)	UNDERGROUND FACILITIES 3 4
WALKING VEHICLES	RTMILITARY FACILITIES
RTAMPHIBIOUS VEHICLES	SHELTERS
COMBAT VEHICLES	UNDERGROUND CONSTRUCTION
CONCEPTS	
MILITARY VEHICLES	UNDERGROUND NUCLEAR EXPLOSIONS 4
OFF-ROAD VEHICLES	BT EXPLOSIONS
TERRASTAR LOCOMOTION CONCEPT	NUCLEAR EXPLOSIONS
TERNASTAN ECCOMOTION CONCERT	UNDERGROUND EXPLOSIONS
INDERCONSOLIDATION 2	
ONDER CONDUCTION -	RTSEISMIC WAVES
BT CONSOLIDATION (SOILS)	UNDERWATER NUCLEAR
DEFORMATION	EXPLOSIONS
SOIL DEFORMATION	
RT NORMALLY CONSOLIDATED SOILS	UNDERGROUND OPENINGS 1 2 4
OVERCONSOLIDATION	RT CAVITIES (UNDERGROUND)
UNCONSOLIDATED SOILS	CIVIL DEFENSE
	CLOSURES
UNDERDRAINS 1 2 5	EXCAVATION
use SUBDRAINS	MINES (EXCAVATIONS)
	MINING
UNDERGROUND CONDUITS 2 3 4 5	MINING ENGINEERING
UF BURIED CONDUITS	MISSILE SILOS
BT CONDUITS	ROCK MECHANICS
UNDERGROUND STRUCTURES	SHELTER ENTRANCES
RT PROTECTIVE CONSTRUCTION	SHELTERS
UNDERGROUND CONSTRUCTION	SUBSURFACE EXPLORATION
UNDERGROUND OPENINGS	TUNNEL CLOSURES
UNDERGROUND WATER STORAGE	TUNNEL CONSTRUCTION
UNDERGROUND WATER STORAGE	
UNDERGROUND CONSTRUCTION 2 3 4	TUNNELS
01.001.01.01.01	UNDERGROUND CONDUITS
BT CONSTRUCTION	UNDERGROUND CONSTRUCTION
NT SHELTER CONSTRUCTION	UNDERGROUND STRUCTURES
UNDERGROUND STRUCTURE	UNDERGROUND WATER STORAGE
CONSTRUCTION	
RTEARTH HANDLING EQUIPMENT	UNDERGROUND POWER PLANTS 1 2
EARTHWORK	BT ELECTRIC POWER PLANTS
EXCAVATION	UNDERGROUND STRUCTURES
EXCAVATORS	
EXPLOSIVE CONSTRUCTION	UNDERGROUND STORAGE 4 6 7
HARDENED INSTALLATIONS	RT AQUIFERS
LININGS	FUEL STORAGE
MECHANICAL BORERS	MINES (EXCAVATIONS)
MISSILE FACILITY CONSTRUCTION	NATURAL GAS
MISSILE SILOS	POL STORAGE
POL STORAGE	STORAGE TANKS
PROTECTIVE CONSTRUCTION	UNDERGROUND WATER STORAGE
RADIATION PROTECTION	UNDERGROOMD WATER STORAGE
	UNDERGROUND STREAMS 1
RADIOLOGICAL DEFENSE RAPID EXCAVATION	
	BT STREAMS RT ARTESIAN AQUIFERS
SHELTERS	
SHIELD METHOD (TUNNELING)	ARTESIAN WATER
TUNNEL CONSTRUCTION	CONFINED WATER
TUNNELING MACHINES	GROUNDWATER BASINS
UNDERGROUND CONDUITS	HYDROGEOLOGY
UNDERGROUND CORROSION	KARST
UNDERGROUND FACILITIES	PERCOLATING WATER
UNDERGROUND OPENINGS	SUBSURFACE DRAINAGE
UNDERGROUND STRUCTURE DESIGN	SUBSURFACE WATERS
UNDERGROUND STRUCTURES	
UNDERGROUND WATER STORAGE	UNDERGROUND STRUCTURE CONSTRUCTION 3
UNDERWATER EXPLOSIONS	BT CONSTRUCTION
UNDERWATER PIPELINES	UNDERGROUND CONSTRUCTION
	RT PROTECTIVE CONSTRUCTION
UNDERGROUND CORROSION 2 3	UNDERGROUND STRUCTURES
BT CORROSION	
RT CATHODIC PROTECTION	UNDERGROUND STRUCTURE DESIGN 2 3 4
PILE CORROSION	BT DESIGN
UNDERGROUND CONSTRUCTION	RT CIVIL DEFENSE
0.000	MISSILE FACILITY DESIGN
UNDERGROUND DRAINAGE 1 2 5	MISSILE SILOS
use SUBSURFACE DRAINAGE	MOUNDED STRUCTURES
dee occountage platfade	SHELTERS
UNDERGROUND EXPLOSIONS 2 4	TUNNEL DESIGN
BT EXPLOSIONS	UNDERGROUND CONSTRUCTION
NT UNDERGROUND NUCLEAR	UNDERGROUND STRUCTURES
EXPLOSIONS	
RTELASTIC WAVES	UNDERGROUND STRUCTURE TESTS 3 4
GROUND SHOCK	RTUNDERGROUND STRUCTURES
GROUND SHOCK WAVES	
(DIRECT)	UNDERGROUND STRUCTURES 2 3 4 5
MICROSEISMS	UF BURIED STRUCTURES
MINES (EXCAVATIONS)	SUBSURFACE STRUCTURES
NUCLEAR EXPLOSIONS	
SEISMIC WAVES	

NT MISSILE SILOS	BT SEEPAGE
UNDERGROUND CONDUITS	NT COFFERDAM UNDERSEEPAGE
RT BURIED ARCHES BURIED CYLINDERS	DAM UNDERSEEPAGE LEVEE UNDERSEEPAGE
BURIED DOMES	RTDRAINAGE WELLS
BURIED OBJECTS	LEAKAGE
BURIED PLATES	PERCOLATION
CIVIL DEFENSE	PERMEABILITY
GROUND SHOCK	PIPING (SEEPAGE)
HARDENED INSTALLATIONS LAGGING	RESERVOIR LEAKAGE RETROGRESSIVE EROSION
MINES (EXCAVATIONS)	SAND BOILS
MISSILE FACILITIES	SEEPAGE LOSSES
MOUNDED STRUCTURES	SEEPAGE PRESSURE
NUCLEAR WARFARE DEFENSE	UNDERSEEPAGE CONTROL UNDERSEEPAGE THEORY
PRESSURE DISTRIBUTIONPROTECTIVE STRUCTURES	UNDERSEEFAGE TREORI
ROCK EXCAVATION	UNDERSEEPAGE CONTROL 1 2
SAFETY	RT BURIED MEMBRANES
SHELTERS	CURTAIN WALLS
SOIL LOADING ON PIPES,	CURTAINS DAM DESIGN
CONDUITS, ETC. TUNNELS	DAM FOUNDATIONS
UNDERGROUND CONSTRUCTION	DRAINAGE WELLS
UNDERGROUND OPENINGS	GROUTING
UNDERGROUND POWER PLANTS	IMPERVIOUS BLANKETS
UNDERGROUND STRUCTURE	IMPERVIOUS CUTOFFS LEVEES
CONSTRUCTION UNDERGROUND STRUCTURE	RELIEF WELLS
DESIGN	RESERVOIR LEAKAGE
UNDERGROUND STRUCTURE TESTS	RESERVOIR SEEPAGE
UNDERGROUND WATER STORAGE	RESERVOIRS
UNDERWATER EXCAVATION	SEEPAGE CONTROL SEEPAGE LOSSES
UNDERGROUND WASTE DISPOSAL 7	TOE DRAINS
use SUBSURFACE WASTE DISPOSAL	UNDERSEEPAGE
INDEPENDENT MATER COORAGE & O 2 II	INDERGREDAGE THEORY 1 0
UNDERGROUND WATER STORAGE 1 2 3 4 RTAQUIFERS	UNDERSEEPAGE THEORY 1 2 RT ELECTRIC ANALOGY SEEPAGE
CIVIL DEFENSE	MODELS
DEAD STORAGE	FLOW NETS
EVAPORATION CONTROL	PERMEABILITY
GALLERIES GROUNDWATER	RELIEF WELL THEORY SEEPAGE THEORY
GROUNDWATER RECHARGE	UNDERSEEPAGE
RECHARGE WELLS	
RESERVOIRS	UNDERWATER ACOUSTICS 1 2 4 6
STORAGE TANKS	UF SOUND (UNDERWATER) UNDERWATER SOUND
UNDERGROUND CONDUITSUNDERGROUND CONSTRUCTION	BT ACOUSTICS
UNDERGROUND OPENINGS	RT DEPTH FINDERS
UNDERGROUND STORAGE	HYDROPHONES
UNDERGROUND STRUCTURES	MARINE SEISMICS
WATER SUPPLY	MECHANICAL WAVES OCEAN BOTTOM
WATER TANKS	OCEAN ENGINEERING
UNDERPASSES 3	OCEANOGRAPHIC INSTRUMENTS
RTBRIDGES	SOFAR
CONCRETE STRUCTURES	SOUND WAVES
INTERCHANGES OVERPASSES	SOUNDING METHODS (WATER)
RAILROADS	CONDING METHODS (WATER)
RAMPS	UNDERWATER BALLISTICS 4
TUNNELS	BT BALLISTICS
INTERDITANTAL 2 2 h	RT TERMINAL BALLISTICS TORPEDOES
UNDERPINNING 2 3 4 NOTE: Work done in connection	TOTA EDOES
with the construction of a	UNDERWATER CABLES 1
new foundation under an	BT CABLES
existing structure or under	RT WATER WAVE ACTION ON MARITIME STRUCTURES
the old foundation itself	MARTITME STRUCTURES
POUNDATION CONSTRUCTION	UNDERWATER CONSTRUCTION 1 2 3
FOUNDATION JACKS	BT CONSTRUCTION
POUNDATIONS	RTCAISSONS
JACKING	CONCRETE CONSTRUCTIONCONCRETE PLACING
JACKS NEEDLE BEAMS	HYDRAULIC CEMENTS
SHORING	OCEAN ENGINEERING
SUPPORTS	OFFSHORE STRUCTURES
TIMBERS	PREPLACED AGGREGATE CONCRETE

UNDERWATER NAVIGATION 1
BT NAVIGATION
RT SONAR NAVIGATION
--SOUNDING METHODS (WATER) UNDERWATER CONSTRUCTION (Con.) PUMPED CONCRETE
SLURRY EXCAVATION
TREMIE CONCRETE
-UNDERWATER EXCAVATION
-UNDERWATER EXCAVATION
UNDERWATER FOUNDATIONS
UNDERWATER FILE DRIVING
UNDERWATER PIPELINES
UNDERWATER PIPELINES
UNDERWATER PIPELINES UNDERWATER NUCLEAR EXPLOSIONS 1 4 6 NUCLEAR EXPLOSIONS

NUCLEAR EXPLOSIONS

UNDERWATER EXPLOSIONS

OCEAN BOTTOM

UNDERGROUND NUCLEAR EXPLOSIONS

UNDERWATER EXCAVATION

UNDERWATER SENSORS -- UNDERWATER STRUCTURES -- WATERPROOFING UNDERWATER CONTOUR SCANNING USE HYDROGRAPHIC SONAR UNDERWATER OBJECT LOCATORS 1 4 6 BT DETECTORS
RT DIVING
--MINE DETECTORS
OCEAN BOTTOM UNDERWATER DEMOLITION 1 4 RT--EXPLOSIVE ORDNANCE DISPOSAL OCEAN BOTTOM ORDNANCE DETECTORS UNDERWATER SENSORS TORPEDOES UNDERWATER EXPLOSIONS UNDERWATER ORDNANCE 1 4 UNDERWATER DEMOLITION TEAMS RT UNDERWATER SWIMMERS BT ORDNANCE RT DEPTH CHARGES OCEAN BOTTOM UNDERWATER ENVIRONMENT BT ENVIRONMENTS TORPEDOES UNDERWATER PHOTOGRAPHY UNDERWATER EXCAVATION 1 2 4
BT EXCAVATION
NT DREDGING PHOTOGRAPHY (SUBMARINE) SUBMARINE PHOTOGRAPHY RT--DREDGES FLASH PHOTOGRAPHY OCEAN ENGINEERING HARBORS HYDRAULIC EXCAVATION HYDRAULIC EXCAVATION
HYDRAULIC FILLS
OCEAN BOTTOM
SLURRY EXCAVATION
UNDERWATER CONSTRUCTION
-UNDERWATER EXPLOSIONS
UNDERWATER FOUNDATIONS
UNDERWATER NULLEAR
EXPLOSIONS OCEANOGRAPHY UNDERWATER SURVEYS UNDERWATER PILE DRIVING 1 2
BT PILE DRIVING
RT--MARINE STRUCTURES
--PILE DRIVING EQUIPMENT
PILE FOUNDATION CONSTRUCTION
UNDERWATER CONSTRUCTION
UNDERWATER FOUNDATIONS -UNDERWATER STRUCTURES UNDERWATER EXPLOSIONS 1 2 4 BT EXPLOSIONS UNDERWATER PIPELINES 1 2 3 4 UNDERWATER NUCLEAR BT CONDUITS PIPELINES EXPLOSIONS UNDERWATER STRUCTURES OCEAN BOTTOM BLAST EFFECTS HYDRODYNAMICS LAKE BEDS OCEAN BOTTOM PIPES UNDERWATER CONSTRUCTION
WATER WAVE ACTION ON
MARITIME STRUCTURES STREAM BEDS TORPEDOES TUNDERGROUND CONSTRUCTION UNDERWATER CONSTRUCTION UNDERWATER DEMOLITION UNDERWATER EXCAVATION UNDERWATER PROJECTILES 1 4 PROJECTILES TORPEDOES WATER SHOCK WAVES (DIRECT) UNDERWATER ROCKETS UNDERWATER FOUNDATIONS 1 2 3 BT FOUNDATIONS BT ROCKETS RT GUIDED MISSILES UNDERWATER STRUCTURES
BRIDGE FOUNDATIONS
BRIDGE PIERS
CAISSON FOUNDATIONS --MISSILES TORPEDOES UNDERWATER SENSORS 1 6 -CAISSONS BT SENSORS
RT UNDERWATER OBJECT LOCATORS
UNDERWATER NUCLEAR EXPLOSIONS -- COFFERDAMS --DEEP FOUNDATIONS
--MARINE STRUCTURES
--PILE FOUNDATIONS
PNEUMATIC CAISSONS UNDERWATER SOUND USE UNDERWATER ACOUSTICS TREMIE CONCRETE
UNDERWATER CONSTRUCTION
--UNDERWATER EXCAVATION
UNDERWATER FILE DRIVING
--WATERPROOFING (FOUNDATIONS) UNDERWATER STORAGE RT OCEAN BOTTOM UNDERWATER STRUCTURES 1 2 3 4
UF SUBMERGED STRUCTURES
NT UNDERWATER FOUNDATIONS
UNDERWATER PIPELINES
RT--HARBOR STRUCTURES
--MARINE STRUCTURES USE MARINE MINING UNDERWATER MINING

人

OCEAN BOTTOM

UNDERWATER STRUCTURES (Con.)
OCEAN ENGINEERING
--OFFSHORE STRUCTURES
STRUCTURAL ENGINEERING
UNDERWATER CONSTRUCTION
--UNDERWATER EXCAVATION
--WATERPROOPING UNDRAINED SHEAR TESTS 2
BT SHEAR TESTS
NT Q TESTS (SOILS)
R TESTS (SOILS)
UNCOMPINED COMPRESSION TESTS -VANE SHEAR TESTS ANNULAR SHEAR TESTS
DIRECT SHEAR TESTS
PLANE STRAIN SHEAR TESTS UNDERWATER SURVEYS 1 2 RT--GEOPHYSICAL EXPLORATION HYDROGRAPHIC SURVEYS (SOILS) MARINE GEODESY MARINE GEOLOGY TRIAXIAL SHEAR TESTS (SOILS) UNIAXIAL COMPRESSION TESTS (ROCK)
UF UNIAXIAL SHEAR STRENGTH
TESTS (ROCK)
BT COMPRESSION TESTS
ROCK TESTS (LABORATORY)
RT LOADING MACHINES
ROCK TEST SPECIMENS
--SHEAR TESTS OCEAN BOTTOM OCEAN ENGINEERING SUBMARINE TOPOGRAPHY UNDERWATER PHOTOGRAPHY UNDERWATER SWIMMERS SCUBA DIVERS UNCONFINED COMPRESSION TESTS (SOILS) UNIAXIAL TENSION TESTS UNDERWATER DEMOLITION TEAMS UNDERWATER TELEVISION (ROCK) BT TELEVISION RT--CAMERAS UNIAXIAL COMPRESSIVE STRENGTH
BT COMPRESSIVE PROPERTIES
COMPRESSIVE STRENGTH COAXIAL CABLES -- INSPECTION MECHANICAL PROPERTIES UNDERWATER TRAJECTORIES 1 4 BT TRAJECTORIES
RT TORPEDO TRAJECTORIES UNIAXIAL SHEAR STRENGTH TESTS (ROCK) 2
use UNIAXIAL COMPRESSION TESTS UNDERWATER VEHICLES 1 5 6
NOTE: Includes any vehicle
that travels on the bottom
of a body of water
NT OCEAN BOTTOM VEHICLES
RT--AMPHIBIOUS VEHICLES
DEEP OCEAN VEHICLES
ELECTRIC VEHICLES
--MARINE ENVIRONMENT
SIEMBARINES (ROCK) UNIAXIAL STRAIN TESTS 2
use CONSOLIDATION TESTS (SOILS) UNIAXIAL TENSILE STRENGTH
BT MECHANICAL PROPERTIES
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TENSILE STRENGTH WATER PERFORMANCE UNIAXIAL TENSION TESTS (CONCRETE)
USE DIRECT TENSILE STRENGTH
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BT ROCK TESTS (LABORATORY)
TENSION TESTS
RT DIAMETRAL COMPRESSION TESTS UNDISTURBED SAMPLING NDISTURBED SAMPLING 2
BT SAMPLING
RT ACCESSIBLE BORING
ACCESSIBLE EXPLORATION
AREA RATIO (SAMPLING)
--CORE BORING SAMPLERS
DISTURBED SAMPLING
--DOUBLE TUBE CORE BARRELS
EXPLORATORY PITS
EXPLORATORY THENCHES
EXPLORATORY WELLS
--PISTON SAMPLERS
RECOVERY RATIO (SAMPLING)
SAMPLE DISTURBANCE
SAMPLE LINERS
--SOIL CORE BARRELS
SWEDISH FOIL SAMPLERS (ROCK)
DIRECT TENSILE STRENGTH
TESTS (ROCK)
TENSILE STRENGTH (ROCK)
TENSILE STRESS
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COEFFICIENT OF CURVATURE
COEFFICIENT OF UNIFORMITY
DILATANCY TESTS (SOILS)
DRY STRENOTH TESTS (SOILS)
--FINE GRAINED SOILS SWEDISH FOIL SAMPLERS UNDISTURBED SOIL SAMPLES --FINE GRAINED SOILS
LIQUID LIMIT
PLASTIC LIMIT
PLASTICITY INDEX
--SOIL CLASSIFICATION
--SURFACE COMPOSITION
CLASSIFICATION
TOUGHNESS TESTS (SOILS)
TRAFFICABILITY CLASSIFICATION UNDISTURBED SOIL SAMPLES BT SOIL SAMPLES RT--CORE BORING SAMPLERS --CORES
--DOUBLE TUBE CORE BARRELS
--PISTON SAMPLERS
REMOLDED SOIL SAMPLES
SAMPLE DISTURBANCE
SAMPLE LINERS UNIFORM FLOW 1 NIFORM FLOW 1
BT FLOW
FLUID FLOW
RT CHEZY EQUATION
DARCY-WEISBACH EQUATION
FLOW PATTERNS
FLUID DYNAMICS SAMPLING SENSITIVITY RATIO SOIL CORE BARRELS SWEDISH FOIL SAMPLERS UNDISTURBED SAMPLING

-- FLUID DYNAMICS

UNIFORM FLOW (Con.)
FLUID RESISTANCE
--GAS FLOW
GRADUALLY VARIED FLOW
HEAT TRANSMISSION KUTTER FORMULA LAMINAR FLOW LAMINAR FLOW
-LIQUID FLOW
MANNING EQUATION
MOODY RESISTANCE DIAGRAMS
-MULTIPHASE FLOW
NONUNIFORM FLOW
PIPE FLOW
SINGLE PHASE FLOW
STEADY FLOW
STEADY FLOW SUBCRITICAL FLOW TRANSIENT FLOW TURBULENT FLOW --UNSTEADY FLOW UNIFORMITY COEFFICIENT use COEFFICIENT OF UNIFORMITY UNIMPROVED ROADS 5
use UNSURFACED ROADS UNIT COSTS 6 UNIT DISPLACEMENT METHOD 3
BT COMPATIBILITY METHODS
DEFORMATION METHODS
MATHIX METHODS
STIPPNESS METHODS
STRUCTURAL ANALYSIS
FT ELASTIC ANALYSIS
--ENERGY METHODS UNIT HYDROGRAPHS HIDROGRAPHS
HYDROGRAPHS
HYDROGRAPH ANALYSIS
RIVER FORECASTING
STORM RUNOFF
STREAMFLOW FORECASTING
TIME OF CONCENTRATION UNIT LOAD METHOD 3
BT EQUILIBRIUM METHODS
FLEXIBILITY METHODS MATRIX METHODS
STRUCTURAL ANALYSIS
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STATICALLY DETERMINATE
STRUCTURES STRUCTURES STATICALLY INDETERMINATE STRUCTURES UNIT WEIGHT 1 2 3 4 5 USE DENSITY (MASS/VOLUME) UNIT WEIGHT DETERMINATION 2 5

UP DENSITY DETERMINATION (SOILS)
DENSITY TESTS (SOILS)
SOIL DENSITY DETERMINATION
SOIL DENSITY DETERMINATION
SOIL DENSITY MEASUREMENT
SOIL UNIT WEIGHT DETERMINATION
BT SOIL PROPERTY MEASUREMENTS
NT DRIVE CYLINDER METHOD
--FIELD UNIT WEIGHT
DETERMINATION
--LABORATORY UNIT WEIGHT
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PISTON SAMPLER METHOD
RUBBER BALLOON METHOD
SAND CONE METHOD
SAND CONE METHOD
ACCEPTANCE TESTS
COMPACTION CONTROL (SOILS)
--COMPACTION TESTS
DENSILOGS

DENSITOMETERS
--DENSITY (MASS/VOLUME)

UNIT WEIGHT DETERMINATION (Con.)
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--INDEX TESTS MOISTURE-DENSITY RELATIONS SOIL DENSITY
--SOIL DENSITY MEASURING DEVICES SPECIFIC GRAVITY
SPECIFIC GRAVITY DETERMINATION
VOLUME MEASURE
WEIGHING DEVICES UNITED STATES DEPARTMENT OF AGRICULTURE TEXTURAL CLASSIFICATION 5 USE USDA TEXTURAL CLASSIFICATION UNITS OF MEASUREMENT 6
use WEIGHTS AND MEASURES UNLINED CANALS 1
BT CANALS
CONDUITS
OPEN CHANNELS
RT BANK EROSION
CANAL SEEPAGE 1 2 --DITCHES
EARTH-LINED CANALS
IRRIGATION CANALS LATERALS --LINED CANALS SEEPAGE LOSSES UNLINED CHANNELS 1 2 BT CHANNELS OPEN CHANNELS RT--DITCHES SEEPAGE LOSSES UNLINED TUNNELS 1 2 BT CONDUITS TUNNELS RT DIVERSION TUNNELS HYDRAULIC GRADIENTS TUNNEL HYDRAULICS -- WATER TUNNELS UNLOADING RT MATERIALS HANDLING UNLOADERS 3 RT--CONVEYORS STACKERS UNLOADING WAVES 2 4
USE WAVE RAREFACTION UNSATURATED FLOW BT FLOW NT PERCOLATION RT--DRAINAGE INFILTRATION RATE INFILTRATION (WATER)
PERMEABILITY SATURATION ZONES (SOILS) UNSOUNDNESS (CEMENT) 3
use SOUNDNESS (CEMENT) UNSTEADY FLOW BT FLOW FLUID FLOW NT OVERLAND FLOW RT AERODYNAMICS --CRITICAL FLOW FLOW PATTERNS --FLUID DYNAMICS FLUID RESISTANCE -GAS FLOW
HEAT TRANSMISSION
LAMINAR FLOW
-LIQUID FLOW
-MULTIPHASE FLOW
-NONEQUILIBRIUM FLOW

UNSTEADY FLOW (Con.)
NONUNIFORM FLOW
ORIFICE FLOW
FIPE FLOW
ST. VENANT EQUATION
SHEET FLOW
SINGLE PHASE FLOW
SOLIDS FLOW
SOLIDS FLOW
STEADY FLOW
STEADY FLOW
SUBCRITICAL FLOW
SUBCRITICAL FLOW
THEIS EQUATION
TRANSIENT FLOW
TURBULENCE
TURBULENT FLOW
UNIFORM FLOW
UNIFORM FLOW
UNSTEADY STATE
UNSTEADY-FLOW MODELS
(CLOSED CONDUIT)

UNSTEADY-FLOW MODELS (CLOSED CONDUIT) 1
BT HYDRAULIC MODELS
RT--CLOSED CONDUIT FLOW
--CLOSED CONDUITS
--UNSTEADY FLOW

UNSTEADY-FLOW MODELS (OPEN CHANNEL) 1
BT HYDRAULIC MODELS
RT OPEN CHANNEL FLOW
UNSTEADY FLOW

UNSTEADY STATE 1 6
RT CONTROL THEORY
EQUILIBRIUM
--PLUID DYNAMICS
--STABILITY
STEADY STATE
THERMODYNAMICS
--UNSTEADY FLOW

UNSURFACED AIRPIELDS 5
BT AIRPIELDS
RT EXPEDIENT CONSTRUCTION
UNSURFACED ROADS
UNSURFACED RUNWAY PERFORMANCE
AND EVALUATION
UNSURFACED RUNWAYS

UNSURFACED ROADS 2 5
UF UNIMPROVED ROADS
BT ROADS
RT EXPEDIENT CONSTRUCTION
MILITARY ROADS
RAPID HOAD CONSTRUCTION
SNOW ROADS
--TRAFFICABILITY
UNSURFACED AIRPIELDS
UNSURFACED RUNWAYS

UNSURFACED RUNWAY PERFORMANCE
AND EVALUATION 5
BT EVALUATION
RT UNSURFACED AIRPIELDS
UNSURFACED RUNWAYS

UNSURFACED RUNWAYS 2 5
BT RUNWAYS
RT EXPEDIENT CONSTRUCTION
SNOW RUNWAYS
UNSURFACED ROADS
UNSURFACED RUNWAY PERFORMANCE
AND EVALUATION

UNWIN FORMULA 1 RT PIPE FLOW

UPKEEP 1 2 3 4 use MAINTENANCE UPLIFT PILES 2
UF TENSION PILES
BT PILES
RT ANCHOR PILES
BATTER PILES
BULB PILES
FRICTION PILES
NEGATIVE SKIN FRICTION
PILE EXTRACTION
PILE EXTRACTION
PILE LOAD TESTS (UPLIFT
PILES)
PULL-OUT RESISTANCES AND
TESTS
SCREWED PILES
UPLIFT PRESSURE

UPLIFT PRESSURE 1 2
NOTE: Upward water pressure
on a structure
BT PRESSURE
RT ANCHORING
BUOYANCY
--DAM DESIGN
--DAM PAILURES
DRAINAGE BLANKETS
FLOATING CAISSONS
FLOATING FOUNDATION DESIGN
--FLOTATION
--FOUNDATION CONSTRUCTION
--FOUNDATION CONSTRUCTION
--FOUNDATIONS
HYDROSTATIC PRESSURE
HYDROSTATICS
MAT FOUNDATION CONSTRUCTION
--NORMAL STRESS
PORE WATER PRESSURE
ROCK BLANKETS
UPLIFT FILES
--WATER PRESSURE

UPPER CRETACEOUS EPOCH
BT CRETACEOUS PERIOD
MESOZOIC ERA

URANIN 1
BT DYES
FLUCRESCENT DYES
RT DYE RELEASES
ESTUARY MODELS
TIDAL MODELS

URANINITE 2
UF PITCHBLENDE
BT HEAVY MINERALS
METALLIC MINERALS
MINERALS
RADIOACTIVE MINERALS
RT URANIUM

URANIUM 2
BT METALS
RT ALLOYS
NUCLEAR ENGINEERING
--RADIOACTIVE ISOTOPES
RADIOACTIVITY
URANINITE

URBAN AREAS 5 6 7
RT PUBLIC HEALTH
PUBLIC UTILITIES
RAPID TRANSIT SYSTEMS
REGIONAL PLANNING
--REGIONS
RURAL AREAS
--SEMERS
--WASTES

URBAN HYDROLOGY 7
BT HYDROLOGY

URBAN PLANNING 2 7
UF CITY PLANNING
RT CIVIL DEFENSE
LAND USE
PUBLIC HEALTH

URBAN PLANNING (Con.)
PUBLIC UTILITIES
PUBLIC WORKS
RECREATIONAL PACILITIES
SANITARY ENGINEERING
--SEWERS
URBANIZATION
ZONING

URBANIZATION 1 7
NOTE: Processes associated with the growth of urban areas
RT DRAINAGE SYSTEMS
LAND USE
PUBLIC HEALTH
--SEWERS
STORM SEWERS
STORM RUNOFF
URBAN PLANNING

URETHANES 6

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USDA TEXTURAL CLASSIFICATION 5
UF UNITED STATES DEPARTMENT
OP AGRICULTURE TEXTURAL
CLASSIFICATION
RT-GREAT SOIL GROUPS
SOIL CLASSIFICATION
SOIL MAPS
--SOIL SCIENCE
SOIL SERIES
SOIL TEXTURE
--SURPACE COMPOSITION
CLASSIFICATION
TRAPFICABILITY CLASSIFICATION

UTILITY AIRCRAFT 2 4
BT AIRCRAFT
RT--MILITARY AIRCRAFT
--TRANSPORT AIRCRAFT

UTILITY CARRIERS 5
RT--ARTICULATED VEHICLES
--CARGO VEHICLES
--LIGHT UTILITY VEHICLES
--MILITARY VEHICLES
SEMITRAILERS
--TOWED VEHICLES
TRAILERS
--TRUCKS
--WHEELED VEHICLES

RT--VACUUM APPARATUS VACUUM APPARATUS 2 3
NT VACUUM PUMPS
RT--COMPRESSORS
--PNEUMATIC EQUIPMENT VACUUM VACUUM FORMING 3
BT FORMING TECHNIQUES
RT FORM LINERS PLASTIC FORMS VACUUM PUMPS 1 2 3 ACUUM PUMPS
BT PUMPS
VACUUM APPARATUS
RT JET PUMPS
NEGATIVE PRESSURE VACUUM TREATED CONCRETE 3
BT CONCRETES
RT PRECAST CONCRETE VACUUM TUBE CIRCUITS 6 BT CIRCUITS RT VACUUM TUBES VACUUM TUBES 6
BT ELECTRON TUBES TUBES NT CATHODE RAY TUBES
RT VACUUM TUBE CIRCUITS VADOSE WATER 1 2
NOTE: Water in zone of aeration
BT SUBSURFACE WATERS
WATER WATER
ADSORBED WATER
CAPILLARY WATER
HYGROSCOPIC WATER
GRAVITATIONAL WATER
HYDROGEOLOGY METEORIC WATER PERCOLATION SUBSURFACE FLOW ZONE OF AERATION LLEYS 1 2
BT TOPOGRAPHIC FEATURES
NT ALLUVIAL VALLEYS
RELICT VALLEYS RT--CANYONS
--EROSION
--GEOMORPHOLOGY
MOUNTAIN SYSTEMS RIVER BASINS --RIVERS --SLOPES THALWEG --TOPOGRAPHY
TRENCHES (OCEANIC)
TROUGHS (OCEANIC) --WATERSHEDS VALUE 6 NT LAND VALUE RT--APPRAISALS ASSESSMENTS ESTIMATES EVALUATION LAND APPRAISAL PRODUCTIVITY REAL PROPERTY VALUE ENGINEERING VALUE ENGINEERING UF OPTIMUM DESIGN RT BENEFIT COST ANALYSIS

-COST ANALYSIS COST ENGINEERING

VACUUM

VALUE ENGINEERING (Con.) -- COSTS ECONOMIC ANALYSIS ECONOMIES INDUSTRIAL ENGINEERING LAND VALUE PROFITS
--QUALITY CONTROL --VALUE VALVE VIBRATION BT VIBRATIONS RT--VALVES VALVES 1 4
UF FAUCETS
NT BALL VALVES
BLAST CLOSURE VALVES BUTTERFLY VALVES
BYPASS VALVES
CHECK VALVES
COCKS DAMPER VALVES
DIRECTIONAL CONTROL VALVES DIRECTIONAL CONTROL VALVES
ELECTROPNEUMATIC VALVES
FLAP VALVES
GAS VALVES
GATE VALVES
GLOBE VALVES
HIGH PRESSURE VALVES HIGH PRESSURE VALVES
HOLLOW JET VALVES
HOWELL BUNGER VALVES
-HYDRAULIC VALVES
NEEDLE VALVES
PINCH VALVES
PIUG VALVES
PNEUMATIC VALVES
PRESSURE REDUCING VALVES
PRESSURE REGULATORS
RELIEF VALVES RELIEF VALVES
REVERSE TAINTER VALVES
ROTARY VALVES
SAFETY VALVES
SLEEVE VALVES
TAINTER VALVES THERMOSTATIC VALVES -CLOSURES DIVERSION WORKS --FLOW --FLOW CONTROL --HYDRAULIC GATES LOCKS (WATERWAYS)
--SEALERS SEALS (STOPPERS) SLUICES VALVE VIBRATION WATER HAMMER VAL DER POL DIFFERENTIAL EQUATION BT DIFFERENTIAL EQUATIONS NONLINEAR DIFFERENTIAL EQUATIONS ORDINARY DIFFERENTIAL EQUATIONS REAL VARIABLES VAN DER WAALS EQUATION 2 6 NOTE: Modification of the equation of state with two correcting factors EQUATIONS OF STATE VAN LEER WEIR 1
use CALIFORNIA PIPE METHOD VANE SHEAR EQUIPMENT 2 5
UF SHEAR VANE
VANE TEST APPARATUS
BT MEASURING INSTRUMENTS SHEAR EQUIPMENT SOIL STRENGTH TEST INSTRUMENTS

VANE SHEAR EQUIPMENT (Con.)

NT FIELD VANE SHEAR EQUIPMENT
LABORATORY VANE SHEAR EQUIPMENT COHRON SHEARGRAPH --TRAFFICABILITY TEST INSTRUMENTS -- VANE SHEAR TESTS VANE SHEAR TESTS 2 5
BT SHEAR TESTS
UNDRAINED SHEAR TESTS
UT FIELD VANE SHEAR TESTS
LABORATORY VANE SHEAR TESTS
ANNULAR SHEAR TESTS
CIRCUMFERENTIAL STRESS
-FIELD TESTS
OFFSTS (SOLLS) Q TESTS (SOILS) R TESTS (SOILS) SENSITIVITY
--SHEAR STRENGTH
--SHEAR STRENGTH (SOILS)
SHEARGRAPH TESTS --SOIL PENETRATION TESTS
--SOIL STRENGTH
--SOIL TESTS (LABORATORY)
SURFACE SOIL STRENGTH TORQUE TORSION TORSION SHEAR TESTS
TRAFFICABILITY DATA
UNCONFINED COMPRESSION
TESTS (SOILS) -- VANE SHEAR EQUIPMENT VANE TEST APPARATUS 2 5 use VANE SHEAR EQUIPMENT VANES NT GUIDE VANES
RT--DEFLECTORS
FLOW DEFLECTORS
--HYDRAULIC TURBINES IMPELLERS --PUMPS VAPOR BARRIERS APOR BARRIERS 3
UF MEMBRANES (CURING)
RT CURING FILMS AND SHEETS
--PROTECTIVE COATINGS
--WATERPROOFING VAPOR PRESSURE 1 2 3 PRESSURE THERMAL PROPERTIES ATMOSPHERE CAVITATION INDEX --EVAPORATION HENRYS LAW HERNIS LAW HUMIDITY HYDROSTATIC PRESSURE --LIQUID-GAS INTERFACES LIQUID-VAPOR INTERFACES --TEMPERATURE VOLATILITY WATER VAPOR VAPORIZATION 1 7 use VAPORIZING VAPORIZING UF VAPORIZATION NT BOILING --EVAPORATION SUBLIMATION RT ABLATION DESALTING DISTILLATION FOGGING --LIQUID-GAS INTERFACES LIQUID-VAPOR INTERFACES

--SEPARATION

VAPORIZING (Con.) SPRAYING -- TRANSPIRATION VAPORS VOLATILITY VAPORS BT FLUIDS GASES WATER VAPOR COMBUSTION PRODUCTS --EXHAUST GASES FLUE GASES FUMES --LIQUID-GAS INTERFACES LIQUID-VAPOR INTERFACES SMOG SMOKE --VAPORIZING VARIABILITY 3 6

UF VARIATIONS IN CEMENT
QUALITY

RT COEFFICIENT OF VARIATION
CONSISTENCY (CONCRETE) CONTROL CHARTS
-QUALITY CONTROL
REGRESSION ANALYSIS
RELIABILITY SAMPLING STANDARD DEVIATION STATISTICAL QUALITY CONTROL STATISTICAL TESTS VARIATIONAL CALCULUS 6
use CALCULUS OF VARIATIONS VARIATIONS IN CEMENT QUALITY
use CEMENT QUALITY
VARIABILITY VARIED FLOW 1 use NONUNIFORM FLOW VARNISHES ARNISHES 3 BT COATINGS FINISHES RT LACQUERS --PAINTS -- PROTECTIVE COATINGS -- SEALERS VARVED CLAYS 2 BT CLAYS COHESIVE SOILS COHESIVE SOILS
FINE GRAINED SOILS
GEOLOGICAL DEPOSITS
GLACIAL DEPOSITS
GLACIAL CLAYS
GLACIAL TILL
LACUSTRINE DEPOSITS LAYERED SOILS VEBE TESTS BT CONSISTENCY TESTS VECTOR ANALYSIS 1 2 6 CALCULUS GRAPHICAL METHODS REAL VARIABLES
RT--DIFFERENTIAL EQUATIONS
DIFFERENTIAL GEOMETRY -- GRADIENTS GRAPHICAL METHODS --INEAR ALGEBRA
MATRIX ALGEBRA
MAXWELLS WAVE EQUATIONS
--NUMERICAL ANALYSIS
--STATISTICAL ANALYSIS
TENSOR ANALYSIS
TENSOR ANALYSIS TENSORS

BT ALGEBRA LINEAR ALGEBRA
RT VECTOR ANALYSIS VECTORS (ETIOLOGY) use DISEASE VECTORS VEE-NOTCHED WEIRS 1 UF TRIANGULAR WEIRS WEIRS BROAD-CRESTED WEIRS BROAD-CRESTED WEIRS
CIPOLLETTI WEIRS
DISCHARGE MEASUREMENT
FLOW MEASUREMENT
RECTANGULAR WEIRS
SHARP-CRESTED WEIRS
STAFF GAGES
SUBMERGED WEIRS WEIR CRESTS WEIR GAGES WEIR PONDS VEGETATED WATERWAYS 1 UF GRASSED WATERWAYS RT OPEN CHANNELS VEGETATION EFFECTS ATION 1 5 7
AGRICULTURE
CROWN CHARACTERISTICS VEGETATION (VEGETATION)
--EROSION CONTROL FORESTRY -- FORESTS GRASSES GRASSLANDS GROUND COVER HERBIVORES LAND RESOURCES --PLANTS (BOTANY) RAIN FORESTS RANGES RICE FIELDS TREES VEGETATION CLASSIFICATION VEGETATION DESCRIPTIONS VEGETATION EFFECTS
--VEGETATION ESTABLISHMENT --VEGETATION FACTORS VEGETATIVE COVER VEGETATION CLASSIFICATION UF VEGETATION TAXONOMY
BT CLASSIFICATIONS
TERRAIN CLASSIFICATION FORESTRY -- FORESTS GRASSES RAIN FORESTS TREES VEGETATION VEGETATION DESCRIPTIONS
--VEGETATION FACTORS -- VEGETATION STRUCTURE VEGETATION CLEARING TTE: Tree and plant removal
CLEARING
CAQUATIC PLANT CONTROL
--EXPLOSION EFFECTS
HELICOPTER LANDING ZONES
LAND CLEARING NOTE: LAND CLEARING
--LAND CLEARING VEHICLES --MILITARY OPERATIONS MUNITION EFFECTIVENESS TREE CRUSHERS VEGETATION DESCRIPTIONS 5 RT CROWN CHARACTERISTICS

(VEGETATION)
FORESTRY
--FORESTS

VECTORS

VEGETATION DESCRIPTIONS (Con.) GRASSES RAIN FORESTS TREES VEGETATION
VEGETATION CLASSIFICATION
--VEGETATION PACTORS
--VEGETATION STRUCTURE VEGETATIVE COVER VEGETATION EFFECTS RT BANK EROSION DRAINAGE DENSITY EROSION CONTROL BY VEGETATION RAINFALL-RUNOFF RELATIONSHIPS --RUNOFF SEDIMENT YIELD SHEET EROSION VEGETATED WATERWAYS VEGETATION -WATER YIELD WEEDS WIND EROSION VEGETATION ESTABLISHMENT NT AFFORESTATION REFORESTATION RT CANOPY --ECOTYPES LAND MANAGEMENT
MARSH MANAGEMENT
--PLANTS (BOTANY) SOIL EROSION VEGETATION VEGETATION FACTORS TERRAIN FACTORS
CROWN CHARACTERISTICS (VEGETATION) FORESTRY --FORESTS VEGETATION VEGETATION CLASSIFICATION VEGETATION DESCRIPTIONS -- VEGETATION STRUCTURE VEGETATION GEOMETRY 5
use VEGETATION STRUCTURE VEGETATION MAPPING BT MAPPING TERRAIN MAPPING RT--FORESTS VEGETATION MAPS VEGETATION SURVEYS VEGETATION MAPS 5 BT MAPS TERRAIN MAPS
TERRAIN FACTOR MAPS
VEGETATION MAPPING VEGETATION PHYSIOGNOMY 5
use VEGETATION STRUCTURE VEGETATION STRUCTURE 5

UP TREE GEOMETRY
VEGETATION GEOMETRY
VEGETATION PHYSIOGNOMY
NT CROWN CHARACTERISTICS (VEGETATION)
FORESTRY RT -- GEOMETRY --GEOMETRY
OPTICAL DENSITY
--PLANTS (BOTANY)
VEGETATION CLASSIFICATION
VEGETATION DESCRIPTIONS
--VEGETATION FACTORS VEGETATION SURVEYS RT AERIAL SURVEYS

VEGETATION TAXONOMY 5
use VEGETATION CLASSIFICATION VEGETATIVE COVER 1 2 UF HERBACEOUS COVER PLANT COVER 2 5 AERIAL PHOTOGRAPHS AGRICULTURAL ENGINEERING BOTANY CROWN CHARACTERISTICS (VEGETATION)
--ENVIRONMENTS EROSION CONTROL BY VEGETATION EVAPOTRANSPIRATION FORESTRY --FORESTS --GRASSES --PLANTS (BOTANY)
PROTECTIVE COVERINGS RAIN FORESTS TOPSOIL TRANSPIRATION VEGETATION VEGETATION DESCRIPTIONS VEHICLE ANGLE OF BREAK 5
UF ANGLE OF BREAK (VEHICLES)
RT APPROACH GEOMETRY
OBSTACLE-WHEEL INTERACTION
TERRAIN-VEHICLE INTERACTION --VEHICLE DESIGN VEHICLE CLASSES 5 BT CLASSIFICATIONS BT CLASSIFICATION
RT--MOBILITY
VEHICLE CONE INDEX
VEHICLE SIGNATURE
VEHICLE SPECIFICATIONS VEHICLE CONE INDEX CLE CONE INDEX 5
CONE INDEX
CRITICAL LAYER
ONE-PASS PERFORMANCE
RATING CONE INDEX
--SOIL-VEHICLE INTERACTION
VEHICLE CLASSES
--VEHICLE PERFORMANCE
VEHICLE SPECIPICATIONS VEHICLE CROSSING (STREAMS)
UBE STREAM CROSSINGS VEHICLE DESCRIPTION 5
use VEHICLE SPECIFICATIONS VEHICLE DESIGN DESIGN SPRING DESIGN TIRE DESIGN TRACK DESIGN TRACK DESIGN
TRANSMISSION DESIGN
RT--SUSPENSION SYSTEMS (VEHICLES)
VEHICLE ANGLE OF BREAK
--VEHICLE DYNAMICS
VEHICLE MOTION
--VEHICLE FERFORMANCE
VEHICLE SIZES
VEHICLE SPECIFICATIONS
VEHICLE SPEED VEHICLE DYNAMICS 5 BT DYNAMICS RIDE DYNAMICS VEHICLE MOTION VEHICLE SPEED

VIBRATIONS (VEHICLES)

VEGETATION SURVEYS (Con.)
TERRAIN ANALYSIS
VEGETATION MAPPING

VEHICLE DYNAMICS (Con.)
RT SPRING DESIGN
--SPRINGS (MECHANICAL)
--SUSPENSION SYSTEMS (VEHICLES)
--VEHICLE DESIGN
--VEHICLE PERFORMANCE
VEHICLE STABILITY
VIBRATION EPFECTS (VEHICLES) VEHICLE INSTRUMENTATION 5
use VEHICLE TEST INSTRUMENTS VEHICLE LOCOMOTION
use MOBILITY VEHICLE MAINTENANCE BT MAINTENANCE VEHICLE MOBILITY
use MOBILITY VEHICLE MOTION 5

UF ANGLE OF PITCH (VEHICLES)

ANGLE OF ROLL (VEHICLES)

VEHICLE PITCH

VEHICLE PITCH

VEHICLE YAW

BT VEHICLE DYNAMICS

RT MOTION RESISTANCE

EIDED DYNAMICS RIDE DYNAMICS
RIDE DYNAMICS
SEISMIC INVESTIGATIONS
--VEHICLE DESIGN
--VEHICLE PERFORMANCE
VEHICLE SPEED
VEHICLE STABILITY EHICLE PERFORMANCE 5
NT ONE-PASS PERFORMANCE
SLOPE PERFORMANCE
WATER PERFORMANCE
RT DRAWBAR PULL
--FIELD TESTS
FUEL CONSUMPTION
--MOBILITY
OFF-ROAD MOBILITY
OFF-ROAD MOBILITY
OFF-ROAD MOBILITY
OFF-ROAD MOBILITY
ON-ROAD MOBILITY
ON-ROAD MOBILITY
OFF-ROAD MOBILITY
O VEHICLE PERFORMANCE VEHICLE SPEED VEHICLE STABILITY -- VEHICLE TESTS VEHICLE PERFORMANCE TESTS 5
use PERFORMANCE TESTS (VEHICLES) VEHICLE PITCH 5
use VEHICLE MOTION VEHICLE RIDE 5
use RIDE DYNAMICS VEHICLE/ROAD COMPATIBILITY ANALYSIS AND MODIFICATION SYSTEM (VRCAMS) USE ROAD CAPABILITY MODELS VEHICLE ROLL use VEHICLE MOTION VEHICLE SIGNATURE UF SIGNATURE RT--ACOUSTIC PROPERTIES

VEHICLE SIGNATURE (Con.) VEHICLE TESTS 5 NT ENDURANCE TESTS --INTELLIGENCE
--MILITARY OPERATIONS
SEISMIC INVESTIGATIONS
VEHICLE CLASSES (VEHICLES) PERFORMANCE TESTS (VEHICLES) SLIP TESTS (VEHICLES) -TIRE TESTS VEHICLE SINKAGE 5 UF SINKAGE OF VEHICLES BT SINKAGE RT DRAWBAR PULL DURABILITY TESTS GROUND FLOTATION ONE-PASS PERFORMANCE PLATE SINKAGE TESTS PRESSURE-SINKAGE RELATIONS FATIGUE TESTS
--FIELD TESTS
MOTION RESISTANCE
ONE-PASS PERFORMANCE PROTOTYPE TESTS
REMOTE CONTROL
SLOPE PERFORMANCE
SOIL-TRACK INTERACTION RUT DEPTH SLIP-SINKAGE RELATIONS SOIL-TRACK INTERACTION SOIL-VEHICLE INTERACTION SOIL-WHEEL INTERACTION -SOIL-VEHICLE INTERACTION SOIL-WHEEL INTERACTION STRESSES UNDER TRACKS
-STRESSES UNDER VEHICLES
STRESSES UNDER WHEELS
SYNTHETIC SOILS VEHICLE SIZES 5 RT--VEHICLE DESIGN VEHICLE SPECIFICATIONS TERRAIN-VEHICLE INTERACTION TEST PLANS VEHICLE-SOIL INTERACTION 2 9 TEST PLANS
TEST PROCEDURES
TEST TECHNIQUES
--VEHICLE PERFORMANCE
--VEHICLE TEST INSTRUMENTS VEHICLE SPECIFICATIONS UF VEHICLE DESCRIPTION BT SPECIFICATIONS T DRAWBAR PULL
--DRIVE SYSTEMS
VEHICLE CLASSES
VEHICLE CONE INDEX
--VEHICLE DESIGN VEHICLE TRACKS 5 use TRACKS VEHICLE VIBRATION EFFECTS 5
use VIBRATION EFFECTS (VEHICLES) VEHICLE SIZES VEHICLE VIBRATIONS 5
use VIBRATIONS (VEHICLES) VEHICLE SPEED 5 BT SPEED VEHICLE DYNAMICS RT ACCELEROMETERS VEHICLE WHEELS --FIELD TESTS --MOBILITY use WHEELS OFF-ROAD MOBILITY
ON-ROAD MOBILITY
OPTICAL DENSITY
ROAD TESTS (VEHICLES) VEHICLE YAW 5 use VEHICLE MOTION UF MOTOR VEHICLES
NOTE: Use of more specific term
is recommended; consult the terms
listed below and under
GROUND VEHICLES
AIRCRAFT
AMPHIBIOUS AIRCRAFT
AMPHIBIOUS VEHICLES
ARMORED VEHICLES
AUTOMOBILES
CONTAINERSHIPS VEHICLES --VEHICLE DESIGN
VEHICLE MOTION
--VEHICLE PERFORMANCE VISIBILITY VEHICLE STABILITY OVERTURNING (VEHICLES) STABILITY DRIVER RESPONSE HUMAN FACTORS ENGINEERING OFF-ROAD MOBILITY RIDE DYNAMICS CONTAINERSHIPS DEEP OCEAN VEHICLES SAFETY SAFETY DEVICES EXTRATERRESTRIAL VEHICLES FLIGHT VEHICLES TIRE SIDE SLIP
--VEHICLE DYNAMICS
VEHICLE MOTION
--VEHICLE PERFORMANCE JEEPS JET AIRCRAFT LUNAR ROVING VEHICLES MILITARY VEHICLES SEAPLANES VEHICLE-TERRAIN INTERACTION SHIPS SPACE VEHICLES SUBMARINES use TERRAIN VEHICLE INTERACTION VEHICLE TEST INSTRUMENTS 5
UP MEASURING INSTRUMENTS
(VEHICLES)
VEHICLE INSTRUMENTATION
BT MEASURING INSTRUMENTS
NT ACCELEROMETERS SUPERSHIPS TANKER SHIPS UNDERWATER VEHICLES
VEHICLE CLASSES
VEHICLE SIZES
VEHICLE SPECIFICATIONS NT ACCELEROMETERS
DYNAMOMETERS
RT--PRESSURE CELLS (SOILS)
--PRESSURE GAGES
REMOTE CONTROL
STRESS GAGES (SOILS)
TIRE TEST EQUIPMENT
--TRAFFICABILITY TEST
INSTRUMENTS VEHICULAR LOADING use LIVE LOADS VEHICULAR TUNNELS 1 UF HIGHWAY TUNNELS BT TUNNELS RT--HIGHWAYS 1 2 3 INSTRUMENTS --VEHICLE TESTS WES PRESSURE CELLS RAILROAD TUNNELS

--ROADS

VELOCITY MEASUREMENT (Con.)
--SPEED INDICATORS
STREAM VELOCITY
TACHOMETERS VEHICULAR TUNNELS (Con.) SUBWAY TUNNELS SUBWAYS VELOCIMETERS 1 4
use VELOCITY MEASUREMENT TIME MEASUREMENT --VELOCITY
--VELOCITY GAGES (MECHANICAL)
WIND (METEOROLOGY) 1 5 6 VELOCITY ELOCITY 1 5 6

UF SPEED
NT CRITICAL VELOCITY
SETTLING VELOCITY
STREAM VELOCITY
WATER WAVE CELERITY
WAVE VELOCITY
WIND VELOCITY
ACCELERATION (PHYSICS)
CURRENT METERS
--DYNAMICS VELOCITY METERS (FLUIDS) 1 BT MEASURING INSTRUMENTS NT ACOUSTIC FLOWMETERS CURRENT METERS --FLOWMETERS ORIFICE METERS VENTURI METERS RT PLOW MEASUREMENT
--FLUID FLOW
HOT PILM ANEMOMETERS
HOT WIRE ANEMOMETERS -- DYNAMICS ENERGY EQUATION ENERGY GRADIENTS -ORIFICES
PITOT TUBES
PROPELLER METERS
ROTATING METERS FLOW MEASUREMENT --FLOWMETERS --FLUID FLOW MOMENTUM EQUATION PITOT SPHERES PITOT TUBES STREAM GAGES STREAM GAGING PRESSURE HEAD REYNOLDS NUMBER ROTATING METERS --VELOCITY VELOCITY DISTRIBUTION VELOMETERS --SPEED VELOCITY DISTRIBUTION
VELOCITY HEAD
VELOCITY MEASUREMENT
--VELOCITY METERS (FLUIDS) NOTE: For measuring velocity
of air BT MEASURING INSTRUMENTS VIBRATIONS VENA CONTRACTA WATER HAMMER NOTE: Narrowest area of a jet as it issues from an VELOCITY DISTRIBUTION 1 orifice
RT JETS (FLUIDS)
ORIFICE FLOW RT--BRANCHES CAVITATION CURRENT METERS --FLOW MEASUREMENT --FLUID MECHANICS VENTILATION RT AIR CIRCULATION
AIR CONDITIONING
AIR FILTERS
--AIR FLOW OPEN CHANNEL FLOW PENSTOCKS
PIPE FLOW
PITOT TUBES
RIVER CURRENTS
--VELOCITY BLOWERS COOLING COOLING SYSTEMS DUCTS --VELOCITY METERS (FLUIDS)
WATER MEASUREMENT ENTRANCES (FLUID FLOW) ENVIRONMENTAL ENGINEERING VELOCITY GAGES (MECHANICAL)
BT MEASURING INSTRUMENTS
RT ACCELEROMETERS HUMIDITY CONTROL ODOR CONTROL REFRIGERATING SAFETY ENGINEERING --TEMPERATURE -VELOCITY MEASUREMENT VELOCITY HEAD 1 4
BT HEAD (PLUID MECHANICS)
RT CRITICAL VELOCITY
ENERGY EQUATION
ENERGY GRADIENTS
--PLUID PLOW
--FLUID MECHANICS
HYDRAULIC DESIGN
HYDRAULIC GRADIENT
--IMPACT TEMPERATURE CONTROL TEMPERATURE DISTRIBUTION VENTILATORS VENTILATORS 6 RT BLOWERS DIFFUSERS VENTILATION VENTURI FLUMES 1
BT FLUMES (MEASURING)
NT FARSHALL FLUMES
RT CONTRACTIONS (HYDRAULICS)
DISCHARGE MEASUREMENT
--DISCHARGE (WATER)
FLOW MEASUREMENT
FLOW MEASUREMENT -- IMPACT OPEN CHANNEL FLOW PIPE FLOW PITOT PRESSURES PITOT SPHERES SPECIFIC HEAD STREAM VELOCITY TEE LOSSES TURBINE EFFICIENCY --FLOWMETERS IRRIGATION ENGINEERING WATER MEASUREMENT VENTURI METERS 1
UF VENTURI TUBES
BT FLOWMETERS
MEASURING INSTRUMENTS VELOCITY MEASUREMENT 1 4

VELOCITY METERS (FLUIDS)

UF VELOCIMETERS BT MEASUREMENT RT--ANEMOMETERS PREQUENCY METERS

1 2 3 VENTURI METERS (Con.) VERTICAL LOADS ERTICAL LOADS 1 2 3 4
BT LOADS (FORCES)
RT--COLUMNS (SUPPORTS)
--PLERS (SUPPORTS)
VERTICAL MOVEMENT DEVICES UNI METERS (COD.)

-CLOSED CONDUITS

CONTRACTIONS (HYDRAULICS)

DIFFERENTIAL PRESSURE

DISCHARGE MEASUREMENT

-DISCHARGE (WATER)

FLOW MEASUREMENT

PIPE FLOW

-PIPES VERTICAL MOVEMENT DEVICES 2 4 ERTICAL MOVEMENT DEVICES 2 4
NOTE: For determining volume
change within an earth
embankment or settlement of
foundation of an earth dam
BT MEASURING INSTRUMENTS
RT-DAM INSTRUMENTATION
-DEFORMATION GAGES
EARTH DAM INSTRUMENTATION
EARTH DAM PERFORMANCE
HORIZONTAL MOVEMENT DEVICES
ROCKFILL DAM INSTRUMENTATION
SETTLEMENT MEASUREMENT
STRAIN MEASUREMENT --PIPES --PRESSURE GAGES PRESSURE GRADIENTS STREAM GAGES WATER MEASUREMENT VENTURI TUBES use VENTURI METERS VERIFICATION OF MODELS
use MODEL VERIFICATION STRAIN MEASUREMENT
--STRAIN MEASURING INSTRUMENTS VERMICULITE BT CLAY MINERALS MINERALS VERTICAL LOADS VERTICAL OSCILLATIONS 1 2 4
BT OSCILLATIONS
RT--DYNAMIC BEARING
CAPACITY SILICATE MINERALS RT--CLAYS --FILLERS
HEAT RESISTANT MATERIALS CAPACTI FOUNDATION VIBRATIONS
--RESONANCE
VIBRATION RESPONSE TESTS
VIBRATORY LOADS -- INSULATION -- LIGHTWEIGHT AGGREGATES MICAS MONTMORILLONITE PERLITE VERTICAL OSCILLATIONS (VEHICLES)
use VIBRATIONS (VEHICLES) NOTE: One of a comprehensive division of animals, containing all those with a segmented spinal column together with a few more primitive forms in which the backbone is VERTICAL SAND DRAINS use SAND DRAINS VERTICAL TAKEOFF AND LANDING SHITICAL TRABOUF AND LANDIN
ALBCRAFT 2 4 5
UF VTOL ALBCRAFT
BT ALRCRAFT
RT CONVERTIBLE ALRCRAFT
FLYING PLATFORMS
HELICOPTERS represented by a notochord --BIRDS CARNIVORES CARP CATFISHES HELICOPTERS
JET AIRCRAPT
--MILITARY AIRCRAPT
RESEARCH AIRCRAFT
SHORT TAKEOFF AND LANDING
AIRCRAFT --FISHES -- FRESHWATER FISHES HERBIVORES MARINE FISHES MINNOWS OMNIVORES VERTICAL WALL BREAKWATERS 1 BT BREAKWATERS SALMON VERTICALLY POLARIZED SHEAR SNAKES WAVES 2 4 use SHEAR WAVES TROUT RT--AQUATIC ANIMALS -INVERTEBRATES WILDLIFE VESSELS (SHIPS) 1 6 use SHIPS VERTICAL ACCELERATIONS (VEHICLES) 5
use VIBRATIONS (VEHICLES) VIADUCTS 3 RT--BRIDGES VERTICAL DRAINS 1 2 BT DRAINAGE STRUCTURES --CONCRETE STRUCTURES --HIGHWAYS DRAINS RT CHIMNEY DRAINS OVERPASSES --ROADS - DRAINAGE WELLS
- DRAINAGE WELLS
HORIZONTAL DRAINS
RELIEF WELLS
SAND DRAINS
SAND PILES
-- SPRINGS (WATER) STREETS TRESTLES VIBRATING SCREENS BT SIZING SCREENS RT--VIBRATORS --SUBDRAINS VIBRATING WIRE STRAIN METER WELL POINTS MEASURING INSTRUMENTS
STRAIN GAGES
STRAIN GAGES (CONCRETE)
STRAIN MEASURING INSTRUMENTS VERTICAL FILTER WELLS 2 use SAND DRAINS VERTICAL LIFT GATES BT HYDRAULIC GATES VIBRATION DAMPING 1 2 3 4 6 DAMPING

VIBRATION DAMPING (Con.)
RT--ACOUSTICS
FOUNDATION VIBRATIONS
MACHINE FOUNDATIONS
PULSATING FLOW
RANDOM VIBRATION TESTS
SHOCK ABSORPTION
SHOCK RESISTANCE
VIBRATION SUPPRESSORS
VIBRATION THEORY
--VIBRATIONS
VIBRATORY LOADS
WATER HAMMER

VIBRATION EFFECTS 2 3 4
RT FATIGUE (MATERIALS)
RANDOM VIBRATION TESTS
--SETTLEMENT
SURFACE VIBRATOR TESTS
VIBRATION RESPONSE TESTS
VIBRATION THEORY
--VIBRATION THEORY
--VIBRATIONS

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VIBRATIONS
VIBRATION EFFECTS (VEHICLES)
UF VEHICLE VIBRATION EFFECTS
RT DRIVER RESPONSE
--DYNAMICS
PATIGUE (MATERIALS)
FATIGUE TESTS
FOURIER ANALYSIS
--VEHICLE DYNAMICS
VIBRATIONS (VEHICLES)

VIBRATION ISOLATORS 2
use VIBRATION SUPPRESSORS

VIBRATION MEASUREMENT 2 3 6
BT MEASUREMENT
RT FREQUENCY METERS
SEISMOMETERS
SURFACE VIBRATOR TESTS
VIBRATION RESPONSE TESTS
--VIBRATIONS
VIBRATORY INVESTIGATIONS

VIBRATION RESPONSE TESTS 2
UF VIBRATION TESTS
RT HORIZONTAL OSCILLATIONS
SURPACE VIBRATOR TESTS
TORSIONAL OSCILLATIONS
VERTICAL OSCILLATIONS
VIBRATION EFFECTS
VIBRATION MEASUREMENT
--VIBRATIONS

VIBRATION SUPPRESSORS 2
UF VIBRATION ISOLATORS
RT FOUNDATION VIBRATIONS
MACHINE FOUNDATIONS
SHOCK ABSORPTION
SHOCK ISOLATION
VIBRATION DAMPING
--VIERATIONS
VIERATORY LOADS

VIBRATION TESTS 2
use VIBRATION RESPONSE TESTS

VIBRATION THEORY 1 2 3 4
RT--ACOUSTICS
AMPLITUDE
--FREQUENCY
RANDOM VIBRATION TESTS
--RESONANCE
VIBRATION DAMPING
VIBRATION DEFECTS
--VIBRATIONS
VIBRATIONS
VIBRATORY LOADS
--WAVES

VIBRATIONS 1 2 3 4 5 6 NT CONCRETE VIBRATION FOUNDATION VIBRATIONS VIBRATIONS (Con.)
SPILLWAY VIBRATION
VALVE VIBRATION
VIBRATIONS (VEHICLES)
RT ACCELEROGRAPHS
--ACOUSTIC PROPERTIES
--ACOUSTICS AMPLITUDE COMPACTION COMPACTION
CONSOLIDATION (CONCRETE)
CRITICAL FREQUENCY
DISPLACEMENT
-- DYNAMICS
EARNINGS EARTHQUAKES
-ELASTIC WAVES
FATIGUE (MATERIALS) FLUTTER -FREQUENCY
HARMONICS
MECHANICAL SHOCK
MECHANICAL WAVES
NATURAL FREQUENCY NATURAL FREQUENCY
NODES
--OSCILLATIONS
RANDOM VIBRATION TESTS
--RESONANCE RESONANCE TESTS
RESONANT FREQUENCY
-SEISMIC WAVES
SEISMOMETERS SHOCK IMPEDANCE SHOCK RESISTANCE SOIL DYNAMICS -- SONICS STANDING WAVES (SOLID MEDIA)
TRANSIENT MOTION
TRANSIENT WAVES
--VELOCITY VIBRATION DAMPING VIBRATION EFFECTS VIBRATION MEASUREMENT VIBRATION RESPONSE TESTS VIBRATION SUPPRESSORS VIBRATION THEORY --VIBRATORS VIBRATORY COMPACTION VIBRATORY LOADS VIBRATORY PILE DRIVING VIBROFLOTATION

VIBRATIONS (VEHICLES) 5
UF OSCILLATIONS (VEHICLES)
VEHICLE VIBRATIONS
(VEHICLES)
VERTICAL ACCELERATIONS
(VEHICLES)
VEHICLES)
BT VEHICLE DYNAMICS
VIBRATIONS
RT--DYNAMICS
MECHANICAL WAVES
RIDE DYNAMICS
SPRING DESIGN
--SPRINGS (MECHANICAL)
--SUSPENSION SYSTEMS (VEHICLES)
VIBRATION EPFECTS (VEHICLES)
--WAVES

VIBRATORS 1 2 3

NT CONCRETE VIBRATORS

RT OSCILLATORS

VIBRATION RESPONSE TESTS

--VIBRATIONS

VIBRATORY COMPACTION

--VIBRATORY COMPACTORS

VIBRATORY INVESTIGATIONS

VIBRATORY LOADS

VIBRATORY PILE DRIVING

VIBRATORY PILE HAMMERS

VIBRATORY COMPACTION 2 3 5 BT COMPACTION (BITUMINOUS MIXTURES) VIBRATORY COMPACTION (Con.)
COMPACTION (SOILS)
DENSIFICATION (SOILS)
RT COMESIONLESS SOILS
--FORMING TECHNIQUES
RELATIVE DENSITY DETERMINATION
--VIBRATIONS
--VIBRATORS
--VIBRATORY COMPACTORS
VIBRATORY LOADS
VIBROFLOTATION

VIBRATORY COMPACTORS 2 3
UF VIBRATORY ROLLERS
BT COMPACTION EQUIPMENT
CONSTRUCTION EQUIPMENT
ROLLERS
SMOOTH WHEEL VIBRATORY
ROLLERS
VIBRATORY SHEEPSFOOT
ROLLERS
VIBRATORY SHEEPSFOOT
ROLLERS
VIBRO-TAMPERS
RT COHESIONLESS SOILS
CONCRETE VIBRATORS
ROCK FILLS
--ROLLERS

ROCK FILLS
--ROLLERS
--VIBRATORS
VIBRATORY COMPACTION
VIBROPLOTATION

VIBRATORY INVESTIGATIONS 2
UF CONTINUOUS VIBRATION METHODS
BT GEOPHYSICAL EXPLORATION SUBSURFACE EXPLORATION
FOR AMPLITUDE
--FREQUENCY SEISMIC INVESTIGATIONS SHEAR WAVES
SURFACE VIBRATOR TESTS
VIBRATION MEASUREMENT
VIBRATION RESPONSE TESTS
--VIBRATORY LOADS

WAVE VELOCITY

VIBRATORY LOADING 2 3 4
use VIBRATORY LOADS

VIBRATORY LOADS

VIBRATORY LOADING
BT DYNAMIC LOADS
LOADS (FORCES)

RT EARTHQUAKE RESISTANT
STRUCTURES
FATIGUE (MATERIALS)
FOUNDATION VIBRATIONS
HORIZONTAL OSCILLATIONS
MACHINE FOUNDATIONS
REPETITIVE LOADS
SONIC PILE DRIVING
SONIC PILE HAMMERS
SURFACE VIBRATOR TESTS
TORSIONAL OSCILLATIONS
VERTICAL OSCILLATIONS
VERTICAL OSCILLATIONS
VERTICAL OSCILLATIONS
VIBRATION DAMPING
VIBRATION RESPONSE TESTS
VIBRATION THEORY
--VIBRATORS
VIBRATORS
VIBRATORS
VIBRATORY COMPACTION
VIBRATORY INVESTIGATIONS
VIBRATORY PILE DRIVING
VIBRATORY PILE HAMMERS
WEAPON FOUNDATIONS

VIBRATORY PILE DRIVERS 2 use VIBRATORY PILE HAMMERS VIBRATORY PILE DRIVING 2
BT PILE DRIVING
RT SONIC PILE DRIVING
--VIBRATIONS
VIBRATORS
VIBRATORY LOADS
VIBRATORY PILE HAMMERS

VIBRATORY PILE HAMMERS 2
UF VIBRATORY PILE DRIVERS
BT CONSTRUCTION EQUIPMENT
PILE DRIVING EQUIPMENT
PILE HAMMERS
RT SONIC PILE HAMMERS
VIBRATORS
VIBRATORY LOADS
VIBRATORY PILE DRIVING

VIBRATORY PLATE BEARING TESTS
BT FIELD TESTS
PLATE BEARING TESTS
RT MACHINE FOUNDATIONS
SEISMOMETERS
SURFACE VIBRATOR TESTS
VIBRATION EFFECTS
VIBRATION MEASUREMENT
--VIBRATIONS
VIBRATORS
VIBRATORS
VIBRATORY LOADS

VIBRATORY ROLLERS 2 3 5 use VIBRATORY COMPACTORS

VIBRATORY SHEEPSPOOT ROLLERS
BT COMPACTION EQUIPMENT
CONSTRUCTION EQUIPMENT
SHEEPSPOOT ROLLERS
VIBRATORY COMPACTORS

VIBROPLOTATION 2
BT COMPACTION (SOILS)
DENSIFICATION (SOILS)
RT COMESIONLESS SOILS
JETTING
--VIBRATIONS
VIBRATORY COMPACTION
--VIBRATORY COMPACTORS

VIBRO-TAMPERS 2 3
BT COMPACTION EQUIPMENT
CONSTRUCTION EQUIPMENT
VIBRATORY COMPACTORS
RT HAND TAMPERS (COMPACTION)

VIBROTRONS 6 BT ELECTRON TUBES

VIDEO 1 use TELEVISION

VIDEO TAPES 6 BT TAPES

VINYL RESINS 1 2 3
BT RESINS (SYNTHETIC)
NT POLYSTYRENE
POLYVINYL ACETATE
POLYVINYL CHLORIDE
SARAN (TRADEMARK)
RT--ADHESIVES
--ELASTOMERS
PLASTIC PIPES
--SYNTHETIC FIBERS

VIRGIN COMPRESSION CURVE use COMPRESSION CURVES

VISCOELASTIC WAVES 2 4
UF VOIGT WAVES
BT WAVES
RT--ELASTIC WAVES
VISCOELASTICITY

VISCOELASTICITY 2 4 6
BT MECHANICAL PROPERTIES
RHEOLOGICAL PROPERTIES
RT--CREEP PROPERTIES --ELASTICITY HYDROELASTICITY RHEOLOGY STRESS RELAXATION THERMOELASTICITY VISCOELASTIC WAVES VISCOSITY VISCOMETERS 1 2 3 NOTE: Instruments which measure the viscosity of a liquid
UF VISCOSIMETERS
BT MEASURING INSTRUMENTS
RT COEFFICIENT OF VISCOSITY
--CONSISTENCY TESTS -- RHEOLOGICAL PROPERTIES VISCOSITY VISCOPLASTICITY BT MECHANICAL PROPERTIES
RT PLASTICITY RHEOLOGY VISCOSITY VISCOPLASTICITY METHOD NOTE: Method of studying response of materials under loads RT--PAVEMENTS PLASTICITY
--SOIL MECHANICS
--SOIL-VEHICLE INTERACTION VISCOSIMETERS 1 2 3 VISCOSITY 1 2 3 4 NOTE: Internal friction due to molecular cohesion in to molecular conesion in fluids FLOW RESISTANCE VISCOUS YIELDING MECHANICAL PROPERTIES RHEOLOGICAL PROPERTIES ADHESION --BOUNDARIES (SURFACE) CAPILLARITY COEFFICIENT OF VISCOSITY COHESION CONSISTENCY (CONCRETE)
CONSISTENCY (SOILS) CONSISTENCY (SOILS)
--CREEP PROPERTIES
--DAMPING
DAMPING CAFACITY
--DENSITY (MASS/VOLUME)
DRILLING FLUIDS
--ENERGY LOSSES --FLOW FLOW RATE --FLUID FLOW --FLUID MECHANICS FLUID RESISTANCE -FLUIDS
FRICTION RESISTANCE
IMMISCIBILITY
INTERNAL FRICTION
LAMINAR FLOW
NEWTONIAN FLOW
--PERMEABILITY RESISTANCE RESISTANCE COEFFICIENT REYNOLDS NUMBER RHEOLOGY SETTLING VELOCITY SHEAR STRESS SOLUBILITY STOKES LAW

THIXOTROPY

VISCOSITY (Con.)
TURBULENT FLOW VISCOELASTICITY VISCOMETERS VISCOPLASTICITY VISCOUS FLOW WATER PROPERTIES VISCOSITY COEFFICIENT 2
use COEFFICIENT OF VISCOSITY VISCOUS BOUNDARY LAYER use LAMINAR BOUNDARY LAYER VISCOUS FLOW BT FLOW FLUID FLOW RT AERODYNAMICS AERODYNAMICS
FLOW PATTERNS
--GAS FLOW
INVISCID FLOW
KNUDSEN FLOW
LAMINAR FLOW
NAVIER-STOKES EQUATION
TO ANTONIO TO THE ANTONIO TO THE ANTONIO TO THE ANTONIO TO THE ANTONIO TH PRANDTL NUMBER REYNOLDS NUMBER TURBULENT FLOW VISCOSITY WALL FRICTION (HYDRAULICS) VISCOUS YIELDING 1 2 use VISCOSITY VISIBILITY RT CAMOUFLAGE CROWN CHARACTERISTICS (VEGETATION) --METEOROLOGICAL FACTORS
--MILITARY OPERATIONS
OFF-ROAD MOBILITY OPACITY OPTICAL DENSITY SMOG SMOKE VEHICLE SPEED VISIBLE SPECTRUM NOTE: That portion of the electromagnetic spectrum, the waves which normally produce, upon the human eye, color sensations or white light if the rays are combined. combined
BT ELECTROMAGNETIC SPECTRA VISUAL CLASSIFICATION (SOILS) use SOIL CLASSIFICATION VITRIFIED CLAY PIPES use CLAY PIPES VOID CEMENT RATIO RT VOID RATIO WATER CEMENT RATIO VOID RATIO BT MECHANICAL PROPERTIES
RATIOS
NT AIR VOID RATIO
CRITICAL VOID RATIO
SOIL VOID RATIO
RT CLAY STRUCTURE --CONDUCTIVITY
--CONDUCTIVITY
--DENSITY (MASS/VOLUME)
PER CENT SATURATION
--PERMEABILITY --POROSITY PRESSURE VOID RATIO CURVES
RELATIVE DENSITY
RELATIVE DENSITY DETERMINATION

VOLCANOES RATIO (Con.) SPECIFIC SURFACE VOID RATIO BT TOPOGRAPHIC FEATURES RT-- GEOMORPHOLOGY VOID CEMENT RATIO - VOIDS LAVA MOUNTAINS OIDS 1 2 3
NT VOIDS (CONCRETE)
RT BUBBLES
CAPILLARITY
CLAY STRUCTURE VOLCANIC ASH VOLCANIC CLAYS VOIDS VOLCANIC CRATERS
-- VOLCANIC SOILS VOLCANISM HYDROGENESIS PERCOLATION -- PERMEABILITY VOLTMETERS 1 4 BT ELECTRIC MEASURING INSTRUMENTS MEASURING INSTRUMENTS
RT CATHODE RAY OSCILLOSCOPES -- POROSITY -- VOID RATIO GALVANOMETERS POTENTIOMETERS VOIDS (CONCRETE) 3
UF AIR VOIDS (CONCRETE)
BT VOIDS
RT AIR CONTENT (CONCRETE)
CONCRETE VIBRATORS
-- POROSITY VOLUME CHANGE BT DEFORMATION RT--COMPACTION (SOILS) COMPACTION (SOILS)

-COMPRESSION

CONCRETE DRYING SHRINKAGE

CONSOLIDATION (CONCRETE)

-CONSOLIDATION (SOILS)

-DENSIFICATION (SOILS) SURFACE DEFECTS (CONCRETE) VOIGT WAVES 2 4 use VISCOELASTIC WAVES DILATANCY (ROCK) DILATANCY (SOILS) VOLATILITY DLATILITY 1 7
NOTE: Evaporating readily at a relatively low temperature -- EXPANSION
-- EXPANSIVE CEMENT CONCRETES RT BOILING --EVAPORATION -- EXPANSIVE CEMENTS -- EXPANSIVE SOILS LIQUID- VAPOR INTERFACES VAPOR PRESSURE PLASTIC SHRINKAGE (CONCRETE)
-- REBOUND -- VAPORIZING -- SHRINKAGE SOIL SWELLING THERMAL EXPANSION VOLCANIC ASH RT BENTONITE CINDERS VOLUME MEASURE 2
RT DRIVE CYLINDER METHOD
PISTON SAMPLER METHOD
RUBBER BALLOON METHOD MONTMORILLONITE PUMICE VOLCANIC CLAYS -- VOLCANIC SOILS VOLCANCES SAND CONE METHOD SPECIFIC GRAVITY DETERMINATION -- UNIT WEIGHT DETERMINATION VOLCANIC CLAYS 2 3 BT CLAYS
COHESIVE SOILS
FINE GRAINED SOILS VOLUME WEIGHT 1 3 4
use DENSITY (MASS/VOLUME) VOLCANIC SOILS VOLUMETRIC ANALYSIS RT WATER ANALYSIS RT BENTONITE MONTMORILLONITE VOLCANIC ASH VOLCANOES VOLUMETRIC STRAIN 2 BT STRAINS RT AXIAL STRAIN BULK MODULUS VOLCANIC CRATERS 2 BT CRATERS RT VOLCANISM VOLCANOES VORTEX TRAIL RT-- VORTICES VOLCANIC IGNEOUS ROCKS VORTEX TUBES use EXTRUSIVE ROCKS BT CLOSED CONDUITS VOLCANIC SOILS 2 NT VOLCANIC CLAYS RT CINDERS TUBES VORTICES ONTICES 1

TO FREE SURFACE VORTEX

RT CAVITATION
EDDIES

ENTRANCES (FLUID FLOW)
ENTRAPPED AIR PUMICE SLAGS VOLCANIC ASH VOLCANOES -- FLOW
FLOW AROUND BRIDGE PIERS
FLOW AROUND OBJECTS
-- FLUID FLOW NOTE: Processes by which solid, liquid or gaseous materials are forced into the earth's crust BT GEODYNAMICS -- HYDRAULICS JET DIFFUSION GEOLOGY
RT EARTHQUAKE ENGINEERING
EARTHQUAKES
IONEOUS PETROLOGY
--IGNEOUS ROCKS ROTATIONAL FLOW TURBULENCE TURBULENT FLOW VORTEX TRAIL WAKES -- WATER CIRCULATION MAGMA SEISMOLOGY -- WATER CURRENTS

TECTONICS VOLCANIC CRATERS VOLCANOES VRCAMS (VEHICLE/ROAD COMPATIBILITY 5 ANALYSIS AND MODIFICATION SYSTEM) USE ROAD CAPABILITY MODELS

VTOL AIRCRAFT 2 4 5
USE VERTICAL TAKEOFF AND LANDING
AIRCRAFT

VULNERABILITY 4 6
RT AMMUNITION DAMAGE
--DURABILITY
PENETRATION
RELIABILITY

VYCRON (TRADEMARK) 2 use POLYESTER FIBERS

WAFFLE SLABS BT SLABS WAGNER METHOD USE PARTICLE SIZE DETERMINATION WAKEFIELD SHEET PILES 2
use TIMBER SHEET PILES WAKES 1
RT AERODYNAMICS
--BUBBLES
CAUTRATION CONVERGING FLOW -- DRAG FLOW AROUND OBJECTS JETS (FLUIDS) TURBULENCE -- VORTICES WATER WAVE GENERATION WALERS use WALES (CONSTRUCTION) WALES (CONSTRUCTION) NOTE: Horizontal beams for transfering the reaction from the lagging or the sheeting to the struts UF WALERS UF WALERS BT BRACINGS STRUCTURAL MEMBERS SOLDIER BEAMS STRUTS WALKING MACHINES use WALKING VEHICLES WALKING SPEED BT SPEED RT HUMAN LOCOMOTION WALKING VEHICLES NG VEHICLES 5
BIPED LOCOMOTION MACHINES
LEGGED LOCOMOTION SYSTEMS
WALKING MACHINES
OFF-ROAD VEHICLES
UNCONVENTIONAL VEHICLES
ELECTRIC VEHICLES
HUMAN FACTORS ENGINEERING REMOTE CONTROL WALL FOOTINGS 2 3
use CONTINUOUS FOOTINGS WALL FRICTION (HYDRAULICS)
BT FRICTION
RT--DRAG -- FLUID MECHANICS FLUID RESISTANCE RESISTANCE COEFFICIENT REYNOLDS NUMBER VISCOUS FLOW WALL FRICTION (SOILS) 2
UF ANGLE OF WALL FRICTION
BT FRICTION
RT COULOMBS THEORY -EARTH PRESSURE THEORIES EXTERNAL FRICTION -RETAINING WALLS WALL SHEAR use BOUNDARY SHEAR WALLBOARD 3 RT INSULATING BOARDS --INSULATION PLASTER --WALLS WALLS 1 2 3 4

NT ANCHORED BULKHEADS

--BULKHEADS

WALLS (Con.)
BUTTRESSED WALLS
CANTILEVER WALLS
COUNTERFORT WALLS CRIB WALLS CURTAIN WALLS GRAVITY WALLS GROINS GUIDE WALLS HEADWALLS MASONRY WALLS
QUAY WALLS
-RETAINING WALLS
SEA WALLS TRAINING WALLS RT--BARRIERS --BUILDINGS -- COFFERDAMS CONTINUOUS FOOTINGS COUNTERFORTS FENCES -- FOOTINGS --FOUNDATIONS
HEAT FLOW TESTS
HORIZONTAL LOADS LAGGING -PANELS PILASTERS SANDWICH STRUCTURES SHEETING STUDS WALLBOARD R 4 use WARFARE WAR WAREHOUSES UF STOREHOUSES
BT BUILDINGS
RT INDUSTRIAL BUILDINGS WARFARE UF CONVENTIONAL WARFARE WAR NT FLAME WARFARE LAND MINE WARFARE NUCLEAR WARFARE
UNDERWATER WARFARE
RT CONVENTIONAL WEAPONS
WARNING SYSTEMS --WEAPONS WARHEADS 4
NOTE: Portions of missiles intended to be lethal or incapacitating; normally the warhead casing, explosive, and or chemical or incendiary agents, etc. NT HIGH EXPLOSIVE WARHEADS NT HIGH EXPLOSIVE WARHEADS
MISSILE WARHEADS
NUCLEAR WARHEADS
RT ATOMIC DEMOLITION MUNITIONS
STORAGE
BALLISTIC MISSILES
--BOMBS (ORDNANCE)
CARTRIDGES (EXPLOSIVES)
CONVENTIONAL WEAPONS
DEMOLITION CHARGES
--EXPLOSIVES
BUZES (ORDNANCE) FUZES (ORDNANCE) GUIDED MISSILES --MISSILES
--MUNITIONS
MUNITIONS INDUSTRY -MUNITIONS STORAGE -- NUCLEAR WEAPONS --ORDNANCE -- PROJECTILES PYROTECHNICS -- ROCKETS SHAPED CHARGES --WEAPONS WARM-WATER FISHES 7

BT FISHES RT--FRESHWATER FISHES

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WARNING SYSTEMS
                                                                                                            WASTE DISPOSAL (Con.)
         ALARMS
FLOOD WARNING
BANK PROTECTION
BUOYS
    UF
                                                                                                                    --WASTES
--WATER POLLUTION
                                                                                                            WASTE DISPOSAL SITES
           CIVIL DEFENSE
                                                                                                                      WASTE DISPOSAL
          -DETECTION
        -- DETECTORS
-- EXPLOSIONS
                                                                                                            WASTE HEAT
BT HEAT
           FIRE PROTECTION
FLOOD CONTROL
FLOOD FORECASTING
FLOOD PROTECTION
                                                                                                                        HEAT TRANSFER
THERMAL POLLUTION
                                                                                                            WASTE TREATMENT
                                                                                                                    E TREATMENT 7
ACTIVATED SLUDGE PROCESS INDUSTRIAL WASTE TREATMENT
SLUDGE DIGESTION
TERTIARY TREATMENT
WASTE WATER TREATMENT
BIODEGRADATION
COMPACTION (SOLID WASTES)
HAMMERMILLS
          FLOOD PROOFING
-FORECASTING
        --HAZARDS
HURRICANES
            PROTECTION
            SAFETY
           SAFETY ENGINEERING
SENSORS
                                                                                                                       HAMMERMILLS
ORGANIC LOADING
REAERATION
SETTLING BASINS (WASTES)
            TORNADOES
        --WARFARE
        --WATER POLLUTION
                                                                                                                    --WASTE DISPOSAL WASTES
WARPAGE
   UF CURLING
RT BUCKLING
                                                                                                            WASTE WATER
                                                                                                                NOTE: Polluted water arising from man-made processes and
        -- DAMAGE
        --DEFLECTION
                                                                                                                    operations
WASTES
        -- DEFORMATION
           THERMAL EXPANSION
                                                                                                               WATER
RT ACID MINE WATER
--ACIDIC WATER
--EFFLUENTS
WASH BORING
         BORING
DRILLING FLUIDS
                                                                                                                    --INDUSTRIAL WASTES INDUSTRIAL WATER
           JETTING
        RECONNAISSANCE SURVEYS
--ROTARY DRILLING
                                                                                                                        IRRIGATION
LIQUID WASTES
                                                                                                                    --MINE WATERS
RECLAIMED WATER
SANITARY ENGINEERING
WASHOUTS
   BT EROSION
RT BANKS
                                                                                                                        SEWAGE
        -- CHANNELS
                                                                                                                        WASTE WATER DISPOSAL WASTE WATER TREATMENT
       --DAMS
GULLIES
                                                                                                                    --WASTES
           STORM RUNOFF
                                                                                                                    --WATER POLLUTION
WASTE DISPOSAL
                               1 2 7
                                                                                                            WASTE WATER DISPOSAL
  1 7
                                                                                                                       BRINE DISPOSAL
DISPOSAL
                                                                                                               BT DISPOSAL
WASTE DISPOSAL
HT--ARTIFICIAL RECHARGE
DISPOSAL WELLS
--EFFLUENTS
INJECTION WELLS
SEWAGE DISPOSAL
SEWAGE EFFLUENTS
SEWAGE TREATMENT PLANTS
WASTE WATER
WASTE WATER TREATMENT
      --EFFLUENTS
ENVIRONMENTAL ENGINEERING
--EXHAUST GASES
INJECTION WELLS
INSECT CONTROL
LAGOONS (PONDS)
MINES (EXCAVATIONS)
--POLLUTION
--POLLUTION CONTROL
                                                                                                           WASTE WATER TREATMENT
                                                                                                                                                          1 6 7
                                                                                                                      WASTE TREATMENT
WATER TREATMENT
                                                                                                               BT
                                                                                                                       AERATION
                                                                                                                       COAGULATION
DISTILLATION
FILTRATION
                                                                                                                   FILTRATION
FLOCCULATION
-INDUSTRIAL WASTES
QUALITY CONTROL
-SEWAGE TREATMENT
TERTIARY TREATMENT
TRICKLING FILTERS
WASTE WATER
WASTE WATER
UNASTE WATER DISPOSAL
          RADIOACTIVE WASTES
SANITARY ENGINEERING
SANITARY FILLS
SANITATION
          SEPTIC TANKS
SETTLING BASINS (WASTES)
      --SEWAGE TREATMENT
--SEWERS
                                                                                                                   --WASTES
          STREAM POLLUTION
SUMPS
                                                                                                                   -- WATER POLLUTION
          SUSPENDED SOLIDS
TAILINGS DISPOSAL
                                                                                                           WASTE WATER USE 1
USE WATER RECLAMATION
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--WASTE TREATMENT

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NT AGRICULTURAL WASTES
AIRBORNE WASTES
ANIMAL WASTES
                                                                                                                              WATER (Con.)
HYDROGRAPHY
                                                                                                                                        --HYDROLOGIC GEOMETRY
                                                                                                                                        --HYDROLOGY
             CHEMICAL WASTES
                                                                                                                                       --HYDROMECHANICS
HYDROSTATICS
             GARBAGE
           -INDUSTRIAL WASTES
LIQUID WASTES
                                                                                                                                       --LAKES
--LAND-WATER INTERFACE
                                                                                                                                           -LAND-WATER INTERFACE
MARINE ENVIRONMENT
MIX WATER (CONCRETE)
MOISTURE
MOISTURE CONTENT (CONCRETE)
MUD-WATER INTERFACES
OCEANS
             OIL WASTES
ORGANIC WASTES
RADIOACTIVE WASTES
         -- REFUSE
             SEWAGE
             SOLID WASTES
             TAILINGS
WASTE WATER
COMBUSTION PRODUCTS
CONTAMINANTS
                                                                                                                                       --OXIDES
--PRECIPITATION (METEOROLOGY)
--RESERVOIRS
                                                                                                                                        -- RIVERS
                                                                                                                                       SOLVENTS
--SPRINGS (WATER)
STREAM VELOCITY
--STREAMS
         --EFFLUENTS
--EXHAUST GASES
         INCINERATION
--ORGANIC MATTER
                                                                                                                                       --STREAMS
WATER ANALYSIS
WATER BALANCE
--WATER CHEMISTRY
WATER CONSERVATION
WATER CONSERVATION
WATER CONTENT (CONCRETE)
--WATER CONTENT DETERMINATION
(SOILS)
--WATER CONTENT (SOILS)
WATER CONTROL
WATER DEMAND
         -- POLLUTION
             SCRAP
         --SEWERS
SLUDGE
         URBAN AREAS
--WASTE DISPOSAL
         --WASTE TREATMENT
WASTE WATER TREATMENT
              WATER POLLUTION SOURCES
                                                                                                                                           WATER DEMAND
                                                                                                                                            WATER DISTRIBUTION
WATER
                      2 3 4 5 6 7
         F 1 2 3 4 3 0
FLUIDS
SURFACE COMPOSITION
ACID MINE WATER
--ACIDIC WATER
ADSORBED WATER
ARTESIAN WATER
                                                                                                                                           WATER ENTRY
WATER MAINS
                                                                                                                                        --WATER MANAGEMENT
WATER PERFORMANCE
                                                                                                                                        WATER POLICY
--WATER POLLUTION
              BRACKISH WATER
                                                                                                                                        --WATER PRESSURE
WATER PROSPECTING
              BRINES
         BRINES
CAPILLARY WATER
CONNATE WATER
COOLING WATER
DOMESTIC WATER
DRAINAGE WATER
FRESH WATER
GRAVITATIONAL WATER
--GROUNDWATER
                                                                                                                                           WATER QUALITY
WATER REQUIREMENTS
WATER RESOURCES
WATER SAMPLING
                                                                                                                                           WATER SHOCK WAVES (AIR INDUCED)
                                                                                                                                       WATER SHOCK WAVES (DIRECT)
--WATER SUPPLY
--WATER TABLE
WATER TANKS
         INDUSTRIAL WATER
--IRRIGATION WATER
         --MINE WATERS
MINERAL WATERS
MUNICIPAL WATER
PERCHED WATER
                                                                                                                                       --WATER TREATMENT
--WATER TUNNELS
                                                                                                                                       --WATER WAVES
WATER WELLS
         PORE WATER
POTABLE WATER
RECLAIMED WATER
--SALT WATER
                                                                                                                                       WATERLOGGED LA
--WATERPROOFING
                                                                                                                                           WATERSHEDS
                                                                                                                                           WATERSTOPS
             SEA WATER
SHALLOW WATER
SNOWMELT
SOIL MOISTURE
                                                                                                                             WATER-AIR INTERFACES
                                                                                                                                  use AIR-WATER INTERFACES
                                                                                                                            WATER ALLOCATION 1 6
UF WATER DISTRIBUTION POLICY
BT ALLOCATIONS
RT DISTRIBUTION PATTERNS
         --SURFACE WATERS
THERMAL WATERS
            TIDAL WATERS
-VADOSE WATER
WASTE WATER
AQUEDUCTS
                                                                                                                                         DISTRIBUTION PATTERNS
DOMESTIC WATER
GROUNDWATER DEPLETION
INDUSTRIAL WATER
LOW-FLOW AUGMENTATION
RECREATION
RESERVOIR OPERATION
WATER CONTROL
WATER CONTROL
WATER ZONING
         --CANALS
--CHANNELS
             FARM PONDS
         --GEOLOGICAL DEPOSITS
GROUNDWATER HYDROLOGY
             GULFS
             HIGH PRESSURE WATER
                                                                                                                            WATER ANALYSIS 1 2 3 5 7
UF WATER COMPOSITION
WATER QUALITY ANALYSIS
RT--AQUATIC BIOLOGY
AQUATIC MICROBIOLOGY
         HUMIDITY
HYDRAULIC ENGINEERING
HYDRAULIC GEOMETRY
--HYDRAULICS
             HYDRODYNAMICS
                                                                                                                                     AQUEDUCTS
BIOCHEMICAL OXYGEN DEMAND
--CHEMICAL ANALYSIS
             HYDROELECTRIC PLANTS
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WATER CIRCULATION 1 NT OCEAN CIRCULATION WATER ANALYSIS (Con.)
CHEMICAL OXYGEN DEMAND
--CHEMICAL TESTS NT OCEAN CI CONVECTION COLOR COLORIMETRIC ANALYSIS EDDIES --DISSOLVED GASES
DISSOLVED OXYGEN
DISSOLVED SOLIDS
GRAVIMETRIC ANALYSIS --HYDRAULICS HYDROLOGIC CYCLE OCEAN CURRENTS -PUMPING REAERATION LIMNOLOGY SEICHES ODORS QUALITATIVE ANALYSIS RADIOACTIVE WASTES SHEGES THERMAL STRATIFICATION SEWAGE --SEWAGE TREATMENT TURBULENCE -- VORTICES -- WATER CURRENTS -- WATER WAVES TRACE ELEMENTS TURBIDITY VOLUMETRIC ANALYSIS TER COMPOSITION 1 2 3 7 use WATER ANALYSIS WATER COMPOSITION --WATER --WATER CHEMISTRY --WATER POLLUTION WATER PODERTIES
WATER PURIFICATION
WATER QUALITY
WATER QUALITY
WATER SAMPLING
WATER SAMPLING WATER CONSERVATION CONSERVATION 1 / CONSERVATION RESOURCE CONSERVATION COOLING TOWERS BT FLOOD CONTROL --FLOODS
GROUNDWATER DEPLETION --WATER SUPPLY --WATER TREATMENT GROUNDWATER RECHARGE --HYDROLOGY WATER BALANCE NOTE: Complete accounting for the inflow, outflow, storage, and transformation of water REFORESTATION RESERVOIR EVAPORATION RIVER BASINS within an arbitrarily defined SOIL CONSERVATION SPREADING BASINS UF BALANCE (WATERS) RT--DISCHARGE (WATER) EQUILIBRIUM --WATER WATER DEMAND --WATER MANAGEMENT -- EVAPORATION WATER POLICY WATER RESOURCES --FLOW HOMEOSTASIS HYDROLOGIC BUDGET HYDROLOGIC CYCLE WATER RESOURCES DEVELOPMENT --WATER STORAGE WATER SUPPLY
--WATER TREATMENT
WATERSHED MANAGEMENT INFLOW
--PRECIPITATION (METEOROLOGY) --WATERSHEDS
WILDLIFE CONSERVATION --WATER --WATER STORAGE WATER CONSUMPTION 1 WATER BALLOON METHOD 2
use RUBBER BALLOON METHOD RT--DEPLETION DOMESTIC WATER -- INDUSTRIAL WATER
-- IRRIGATION WATER
MULTIPURPOSE RESERVOIRS
MUNICIPAL WATER WATER-BEARING FORMATIONS 1 2 7 use AQUIFERS WATER CEMENT RATIO 3 BT RATIOS --WASTE DISPOSAL RT -- CONCRETE DURABILITY CONCRETE MIXTURES --WATER WATER DISTRIBUTION WATER LOSS PROPORTIONING (CONCRETE) WATER CONTENT (CONCRETE) WATER CHEMISTRY 1 2 3 7 NOTE: Pefers to freshly mixed concrete
UF WATER REQUIREMENTS (CONCRETE NT GROUNDWATER CHEMISTRY
NT GROUNDWATER CHEMISTRY
RT-AQUATIC BIOLOGY
CALCIUM HYDROXIDE
--CHEMICAL ANALYSIS
CHEMICAL ENGINEERING UF WATER REQUIREMENTS (CONCRETE)
RT CONSISTENCY (CONCRETE) --MOISTURE MOISTURE CONTENT (CONCRETE) --WATER WATER CEMENT RATIO CHLOFINE DESALTING ELECTRODIALYSIS WET DENSITY FLUORINE LIMNOLOGY WATER CONTENT DETERMINATION ATER CONTENT DELEGISCO
(SOILS) 2 5

UF MOISTURE CONTENT DETERMINATION (SOILS)

SOIL MOISTURE DETERMINATION SOIL MOISTURE MEASUREMENT
BT SOIL PROPERTY MEASUREMENTS

SOIL TESTS (LABORATORY) ph TESTS SANITARY ENGINEERING SODIUM ALUMINATES --WATER WATER ANALYSIS --WATER POLLUTION WATER PROPERTIES METHODS
--FIELD WATER CONTENT DETER-WATER QUALITY WATER SAMPLING MINATION
LABORATORY WATER CONTENT
DETERMINATION --WATER SUPPLY ZEOLITES

WATER CONTENT DETERMINATION
(SOILS) (Con.)
NUCLEAR METHODS
RT ACCEPTANCE TESTS
--ATTERBERG LIMITS TESTS
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-DIVERSION WORKS
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--GAGING STATIONS
--IRRIGATION SYSTEMS WATER DEVELOPMENT USE WATER RESOURCES MANAGEMENT **LEVEES** LEVEES
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PIPE FLOW
RUNOFF
STREAM FLOW FLOATS FLOATS
-FLOW AUGMENTATION
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-HYDROGRAPHS -- WATER CURRENTS WATER GLASS 2
use SODIUM SILICATES LOW FLOW OVERFLOW OVERTOPPING PERCHED WATER TABLE TER HAMMER 1 NOTE: Surge in a closed conduit RT AIR CHAMBERS WATER HAMMER PIEZOMETERS POWER HEAD --CLOSED CONDUITS
--FLUID DYNAMICS
--HYDRAULIC GATES
HIGH HEAD PRESSURE HEAD -- RESERVOIRS -RESERVOIRS
SALT WATER INTRUSION
SEA LEVEL
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HYDRODYNAMIC PRESSURE
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--WATER WAVES CALCIUM CHLORIDES CANAL SEEPAGE CONSUMPTIVE USE
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RT--CIVIL LAW
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RT AQUEDUCTS
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--OUTLET WORKS WATER LAWS AND RIGHTS 7
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WATER MAINS (Con.)
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WATER PIPES WATER PERMEABILITY (CONCRETE) (Con.)
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PERMEABILITY (CONCRETE) -WATER SUPPLY RT GAS PERMEABILITY (CONCRETE) WATER MANAGEMENT 1 7
BT MANAGEMENT
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RT--AMPHIBIOUS VEHICLES
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STREAM VELOCITY
--UNDERWATER VEHICLES
--WATER DIVERSION
--DRAINAGE
DRAINAGE ENGINEERING
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-FLOW AUGMENTATION
-FLOW CONTROL
-GROUNDWATER --WATER WATER PIPELINES 1 3 BT PIPELINES HT--DRAINS IRRIGATION GROUNDWATER RECHARGE
--GROUNDWATER SOURCES
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-IRRIGATION ENGINEERING
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RESERVOIR OPERATION
RESERVOIR STORAGE WATER PIPES 1 2 3 CONDUITS PIPES -- AQUEDUCTS -- CONCRETE PIPES -- PIPELINES SPREADING BASINS --WATER WATER CONSERVATION
WATER CONTROL
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WATER DISTRIBUTION WATER MAINS WATER PIPELINES --WATER SUPPLY WATER POLLUTION CONTROL
WATER QUALITY CONTROL
--WATER RESOURCES
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FLOOD CONTROL MEASUREMENT
CIPOLLETTI WEIRS
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--DISCHARGE MEASUREMENT WATER POLICY -INDUSTRIAL WATER
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MULTIPURPOSE PROJECTS
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WATER CONSERVATION
WATER DEMAND
-WATER LAW
WATER RESOURCES --GAGES --GAGES
--HYDRAULICS
--HYDROLOGIC INSTRUMENTS
--HYDROMETEOROLOGICAL STATIONS
--MEASURING INSTRUMENTS --ORIFICES
PARSHALL FLUMES
PITOT TUBES
PROPELLER METERS
STILLING WELLS
STREAM GAGES
STREAM GAGING
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--WATER SUPPLY
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--AQUATIC ENVIRONMENT
BIOCHEMICAL OXYGEN DEMAND WATER METERS 1 2 7 USE FLOWMETERS ATEH OF HYDRATION 3
UF ABSORBED WATER (CONCRETE)
ADSORBED WATER (CONCRETE)
BOUND WATER (CONCRETE)
NOMEVAPORABLE WATER (CONCRETE)
FT CRYSTALLIZATION
--HYDRATION
SLAKING CHEMICAL OXYGEN DEMAND CONTAMINANTS WATER OF HYDRATION DISPERSION DISSOLVED ORGANIC MATTER DYSTROPHY -EFFLUENTS ENRICHMENT -ENVIRONMENTAL ENGINEERING SLAKING EPIDEMIOLOGY EPIZOOTIOLOGY WATER PERMEABILITY (CONCRETE)
NOTE: Water is the permeating EUTROPHICATION FISH KILLS med1um

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GROUNDWATER QUALITY

WATER POLLUTION (Con.)
LIMNOLOGY WATER PRESSURE PRESSURE
ARTESIAN PRESSURE
HYDROSTATIC PRESSURE
ARTESIAN AQUIFERS
ARTESIAN WATER
AKTESIAN WELLS
CAVITATION INDEX
--COFFERDAMS
DAM DESIGN PRESSURE MICROENVIRONMENT MORBIDITY OIL POLLUTION
OIL-WATER INTERFACES
POLLUTION ABATEMENT
RADIOACTIVE WASTES SEWAGE DISPOSAL --COFFERIAMS
--DAM DESIGN
HORIZONTAL LOADS
HYDRAULIC EXCAVATION
HYDRAULIC GRADIENTS
HYDRAULIC PRESSURE
HYDROSTATICS SEWAGE EFFLUENTS -SEWAGE TREATMENT --STANDARDS TURBIDITY
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--WASTE DISPOSAL
WASTE WATER
--WASTE WATER TREATMENT HYDROSTATICS
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PORE WATER PRESSURE
-PRESSURE CONDUITS
PRESSURE HEAD
PRESSURE TESTS
PRESSURE TESTS (DRILL HOLES)
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STA WALLS --WATER WATER ANALYSIS -WATER CHEMISTRY WATER POLLUTION EFFECTS
WATER POLLUTION SOURCES
WATER QUALITY
WATER SUPPLY
--WATER TREATMENT SEA WALLS
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STANDPIPES
TUNNEL PRESSURE
UPLIFT PRESSURE WATER POLLUTION CONTROL BT POLLUTION CONTROL BT POLLUTION
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BT PRESSURE MEASUREMENT
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WATER QUALITY CONTROL
WATER QUALITY STANDARDS
--WATER RESOURCES MANAGEMENT --WATER TREATMENT WATER PROPERTIES RT ACIDITY ALKALINITY WATER POLLUTION EFFECTS
RT TURBIDITY
--WATER POLLUTION
WATER PROPERTIES
WATER QUALITY -AQUATIC ENVIRONMENT BIOLOGICAL PROPERTIES --CHEMICAL PROPERTIES CHEMICAL STRATIFICATION COLLOIDS WATER POLLUTION SOURCES 1 7
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ANIMAL WASTES
--AQUATIC ALGAE
--AQUATIC BACTERIA
--AQUATIC MICROORGANISMS
BIOASSAY
BRACKISH WATER
--DECOMPOSING ORGANIC MATTER
DETERGENTS CONDUCTIVITY
DENSITY STRATIFICATION DYSTROPHY EUTROPHICATION --EVAPORATION
HARDNESS (WATER)
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--HYDROGRAPHS DETERGENTS EFFLUENTS --HYDROLOGIC PROPERTIES
HYDROMETRY FERTILIZERS
--HEAVY METALS HYDROSTATIC PRESSURE LIMNOLOGY --INDUSTRIAL WASTES MINE WASTES --MINE WATERS NEMATODES MECHANICAL PROPERTIES PECHANICAL PROPERTIES
ODORS
OLIGOTROPHY
OPTICAL PROPERTIES
-ORGANIC MATTER
OXIDATION-REDUCTION OIL WASTES
ORGANIC WASTES
PESTICIDE RESIDUES PHENOLS POTENTIAL OXYGEN PROTOZOA RADIOACTIVE WASTES pH SALINITY RADIOACTIVE WASTES RED TIDE RETURN FLOW -SALT WATER SALT WATER INTRUSION SURFACE TENSION THERMAL CONDUCTIVITY TURBIDITY VISCOSITY SEWAGE SEWAGE TREATMENT WATER ANALYSIS
--WATER CHEMISTRY
WATER POLLUTION EFFECTS
WATER QUALITY SILTS STORM RUNOFF SURFACTANTS
--WASTES
--WATER POLLUTION
WATER QUALITY WATER PROSPECTING RT--AQUIFERS
--GROUNDWATER
STRATIGRAPHY
--SURFACE WATERS NOTE: Power of water derived from its gravity or its momen-tum as applied or applicable to the driving of machinery RT HYDROELECTRIC POWER WATER POWER --WATER WATER RESOURCES --WATER SUPPLY --WATER WELLS

WATER QUALITY CONTROL (Con.)
WATER POLLUTION CONTROL
WATER QUALITY
WATER QUALITY MODELS
WATER QUALITY STANDARDS
--WATER RESOURCES MANAGEMENT
--WATER TREATMENT
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BT WATER TREATMENT
RT ACTIVATED CARBON TREATMENT AERATION CHLORINATION DESALTING DISINFECTION DISTILLATION FILTRATION WATER QUALITY MODELS 1
BT MODELS
RT WATER QUALITY
WATER QUALITY CONTROL
WATER QUALITY STANDARDS FLUORIDATION ION EXCHANGE OXYGENATION POTABLE WATER PUBLIC HEALTH WATER ANALYSIS WATER FILTERS WATER QUALITY STANDARDS 1 6 7
BT STANDARDS
RT WATER ANALYSIS
WATER POLLUTION CONTROL
WATER QUALITY
WATER QUALITY CONTROL
WATER QUALITY MODELS WATER QUALITY WATER QUALITY 1 7
NOTE: Chemical, physical, and biological characteristics of water in respect to its suitability for a particular WATER RECIRCULATION 1
UF RECIRCULATION (WATER)
RT COOLING TOWERS purpose RT COLOR DOMESTIC WATER FEED PUMPS RECIRCULATED WATER DYSTROPHY EPILIMNION RECLAIMED WATER
WATER RECLAMATION
--WATER TREATMENT EUTROPHICATION
--FLOW AUGMENTATION
FRESH WATER
GROUNDWATER QUALITY
HARDNESS (WATER)
IRRIGATION WATER RECLAMATION 1
UF RECLAMATION (WATER)
WATER REUSE
WATER SALVAGE
WASTE WATER USE
RT--ARTIFICIAL RECHARGE
DIVERSION LOSS RETURNS
DRAINAGE WATER
EFFLUENT REUSE
INDUSTRIAL WATER LIMNOLOGY --NUTRIENTS ODORS ODORS
OLIGOTROPHY
OXYGEN CONTENT
OXYGEN DEMAND
POTABLE WATER
RADIOACTIVITY INDUSTRIAL WATER
INDUSTRIAL WATER
IRRIGATION WATER
RECIRCULATED WATER
RECLAIMED WATER
RECTURN FLOW
SEWAGE TREATMENT REALINITY
RECLAIMED WATER
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WATER TREATMENT PLANTS SEWAGE TREATMENT --STANDARDS STREAM POLLUTION TURBIDITY --WATER WATER REDUCING AGENTS 3
RT ACCELERATING AGENTS
--ADMIXTURES
--CONCRETE ADMIXTURES -WATER
WATER ANALYSIS
WATER CHEMISTRY
-WATER POLLUTION
WATER POLLUTION EFFECTS
WATER POLLUTION SOURCES
WATER PROPERTIES
WATER PURIFICATION
WATER QUALITY CONTROL
WATER QUALITY STANDARDS
WATER RESOURCES
WATER SAMPLING
WATER SOFTENING --RETARDANTS SURFACTANTS WATER RELEASE 1 use DISCHARGE (WATER) WATER REQUIREMENTS 1 RT--SURFACE IRRIGATION --WATER DEMAND
WATER DISTRIBUTION
WATER RESOURCES DEVELOPMENT WATER SOFTENING WATER SUPPLY WATER SUPPLY SYSTEMS
WATER TEMPERATURE
--WATER TREATMENT --WATER SUPPLY WATER REQUIREMENTS (CONCRETE)
use WATER CONTENT (CONCRETE) WATER QUALITY ANALYSIS 1 2 3 5 7 use WATER ANALYSIS WATER RESOURCES 1 2 4 BT NATURAL RESOURCES WATER QUALITY CONTROL BT QUALITY CONTROL RT--ABATEMENT 1 6 7 RESOURCES RESOURCES
AQUEDUCTS
--CIVIL ENGINEERING
--GROUNDWATER
HYDROLOGIC CYCLE AERATION
FLOW AUGMENTATION
GROUNDWATER QUALITY
MULTILEVEL OUTLETS --HYDROLOGY --LAKES OXYGENATION LAND RESOURCES OXYGENATION
RESERVOIR CAPACITY
RESERVOIR STORAGE
--WATER MANAGEMENT -- POLLUTION -- PRECIPITATION (METEOROLOGY)

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WATER RESOURCES (Con.) WATER STAIN TESTS --RESERVOIRS RIVER BASIN DEVELOPMENT CORROSION TESTS
GALVANIC CORROSION TESTS -RIVERS IMMERSION TESTS (CORROSION) -- SPRINGS (WATER) STAINING --STREAMS --SUBSURFACE WATERS STRESS CORROSION TESTS -- SURFACE WATERS WATER STOPS 2
use WATERSTOPS --WATER
WATER CONSERVATION
--WATER MANAGEMENT
WATER POLICY
WATER PROSPECTING
--WATER QUALITY
WATER RESOURCES DEVELOPMENT
WATER RESOURCES PLANNING
--WATER SUPPLY
--WATER WELLS
--WATERWAYS (WATERCOURSES) --WATER NT BANK STORAGE
DEAD STORAGE
PUMPED STORAGE WATER STORAGE PUMPED STORAGE RESERVOIR STORAGE SOIL WATER STORAGE CONJUNCTIVE USE -- WATERWAYS (WATERCOURSES) -- DAMS WATER RESOURCES DEVELOPMENT 1
RT CONJUNCTIVE USE
FLOODPLAIN ZONING
INTERBASIN WATER TRANSFERS
MULTIPUR POSE PROJECTS
--NATURAL RESOURCES DEVELOPMENT
RIVER BASIN DEVELOPMENT
WATER CONSERVATION
--WATER LAW
WATER POLICY
WATER RESOURCES
WATER RESOURCES
WATER RESOURCES
WATER RESOURCES
--WATER SUPPLY DROUGHTS FARM PONDS FLOOD ROUTING --GROUNDWATER
--HYDROLOGIC BUDGET
HYDROLOGIC EQUATION
--HYDROLOGY PONDAGE PONDING PUMPING STATIONS
QUEUEING THEORY
--RESERVOIRS
--ROUTING -ROUTING
SPECIFIC RETENTION
SPECIFIC YIELD
STORAGE CAPACITY
STORAGE COEFFICIENT
SURFACE -GROUNDWATER
RELATIONSHIPS
WATER BALANCE
WATER BALANCE
WATER CONSERVATION
WATER SIPPLY
WATER SUPPLY
WATER SUPPLY
WATER SUPPLY
SPECIFIC YESTERS --WATER SUPPLY WATER RESOURCES MANAGEMENT 1 7
UF WATER DEVELOPMENT
BT MANAGEMENT
NT MARSH MANAGEMENT
WATERSHED MANAGEMENT RT--DRAINAGE
DRAINAGE ENGINEERING
DRAINAGE PRACTICES
DRAINAGE SYSTEMS WATER SUPPLY SYSTEMS WATER TANKS WATERSHED MANAGEMENT -WATERSHEDS --EROSION CONTROL EVAPORATION CONTROL FLOOD CONTROL -FLOOD ROUTING WATER SUPPLY 1 2 3 4
NT GROUNDWATER SUPPLY
RT AQUEDUCTS --FLOW CONTROL --GROUNDWATER --AQUIFERS
CIVIL DEFENSE
--CIVIL ENGINEERING
--CONDUITS GROUNDWATER RECHARGE
--GROUNDWATER SOURCES --IRRIGATION IRRIGATION ENGINEERING CONJUNCTIVE USE COOLING TOWERS RESERVOIR OPERATION
--RESOURCE CONSERVATION WATER CONTROL
WATER POLLUTION CONTROL
WATER QUALITY CONTROL
WATER RESOURCES PLANNING -- DAMS EQUALIZING RESERVOIRS --FILTERS FILTRATION --FORECASTING --GROUNDWATER -- WEATHER MODIFICATION WATER RESOURCES PLANNING 1
RT WATER RESOURCES
WATER RESOURCES DEVELOPMENT
--WATER RESOURCES MANAGEMENT --HYDRAULIC ENGINEERING
HYDROLOGIC EQUATION --HYDROLOGY INDUSTRIAL WATER IRRIGATION LAGOONS (PONDS) WATER RETENTIVITY (GROUTS) -LAKES
LOW-FLOW AUGMENTATION
-NATURAL RESOURCES
-PIPELINES RT -- GROUTS WATER REUSE 1
use WATER RECLAMATION --PIPES --POLLUTION WATER RIGHTS 1 7
NOTE: Rights of a land owner to the water on or bordering his property, including the right to prevent diversion or misuse of upstream water
UF APPROPRIATION (WATER RIGHTS)
RIPARIAN RIGHTS
NT NATURAL FLOW DOCTRINE
RT IRRIGATION
REGULATED FLOW -PONDS
POTABLE WATER
PRECIPITATION (METEOROLOGY)
PUBLIC UTILITIES
PUMPED STORAGE RESERVOIR CAPACITY
RESERVOIR OPERATION
RESERVOIR STORAGE
RESERVOIR YIELD -- RESERVOIRS

WATER SUPPLY (Con.) WATER SURFACE ELEVATION MEASUREMENT -- RESOURCES RT WATER SURFACE
--WATER SURFACE PROFILES RIVER BASIN DEVELOPMENT -RIVERS SANITARY ENGINEERING WATER SURFACE PROFILES 1
NOTE: Shape of water surface
and direction of flow SIPHONS -SPRINGS (WATER) STREAM FLOW
--STREAMS
--SURFACE WATERS
UNDERGROUND WATER STORAGE BT PROFILES
NT BACKWATER PROFILES
DRAWDOWN CURVES -WATER
WATER ANALYSIS
-WATER CHEMISTRY
WATER CONSERVATION BACKWATER CONTROL STRUCTURES CRITICAL DEPTH DESIGN FLOW WATER CONSERVATION
WATER DEMAND
WATER DISTRIBUTION
WATER MAINS
--WATER MANAGEMENT
WATER PIPELINES
WATER PIPES
WATER POLLCY
--WATER POLLUTION
WATER PROSPECTING
WATER QUALITY
WATER REQUIREMENTS
WATER RESOURCES DISCHARGE MEASUREMENT
--FLOW CONTROL HYDRAULIC GRADIENTS OPEN CHANNEL FLOW -RIVERS
SPILLWAY PROFILES -STREAM FLOW
WATER SURFACE
WATER SURFACE ELEVATION
MEASUREMENT WATER RESOURCES
WATER RESOURCES DEVELOPMENT
-WATER RIGHTS
WATER SHORTAGE WATER SURFACE ROUGHNESS 1
use SURFACE ROUGHNESS (FLUIDS) WATER SURGES use SURGES -WATER STORAGE WATER SUPPLY ENGINEERING WATER TANKS WATER TRANSFER WATER TABLE 1 2 5 7 NT PERCHED WATER TABLE RT--AQUIFERS
BANK STORAGE
BASE FLOW
--DRAINAGE --WATER TREATMENT --WATER WELLS --WATER YIELD WATERSHED MANAGEMENT --DRAWDOWN --GROUNDWATER WATERWORKS WATER SUPPLY ENGINEERING 1 6 RT--WATER SUPPLY GROUNDWATER DEPLETION GROUNDWATER ELEVATION GROUNDWATER HYDROLOGY HYDROLOGIC DATA WATER SUPPLY FORECASTING
BT FORECASTING
NT RUNOFF FORECASTING
RT--EVAPORATION
EVAPOTRANSPIRATION
FLOOD FORECASTING
--GROUNDWATER
--GROUNDWATER INFLUENT STREAMS OBSERVATION WELLS PHREATIC LINE PHREATOPHYTES RECHARGE WELLS --HYDROLOGY
--PRECIPITATION (METEOROLOGY)
STREAMFLOW FORECASTING
WEATHER FORECASTING SATURATED SOILS TILE SPACING --WATER
WATER LEVELS
WATER TABLE PREDICTION
--WATER WELLS
--WATER YIELD WATER SUPPLY SYSTEMS 1 7 RT-GROUNDWATER
POTABLE WATER
PUBLIC WORKS
PUMPED STORAGE
SANITARY ENGINEERING --WATERSHEDS WELLPOINTS ZONE OF AERATION WATER DISTRIBUTION
WATER QUALITY
--WATER STORAGE
--WATER TREATMENT WATER TABLE PREDICTION
BT PREDICTIONS SOIL MOISTURE PREDICTION TRAFFICABILITY PREDICTION WATER TABLE WATER SURFACE 1
RT BACKWATER PROFILES
BANKS WATER TANKS 1 3 4 7 BT TANKS (CONTAINERS) CONTROL STRUCTURES RT -- RESERVOIRS STANDPIPES -- GAGING STATIONS HOOK GAGES UNDERGROUND WATER STORAGE --WATER
WATER DISTRIBUTION
--WATER STORAGE
WATER SUPPLY --LAKES PONDS -- RESERVOIRS --HESERVOIRS
--RIVERS
SPILLWAY PROFILES
SURFACE ROUGHNESS (FLUIDS)
WATER SURFACE ELEVATION
MEASUREMENT WATER TEMPERATURE BT TEMPERATURE
RT AIR TEMPERATURE
--AQUATIC ENVIRONMENT
BATHYTHERMOGRAPHS --WATER SURFACE PROFILES
WEIR CRESTS
WEIR GAGES LIMNOLOGY MICROENVIRONMENT MULTILEVEL OUTLETS

WATER TEMPERATURE (Con.) WATER TUNNELS (Con.)

WT DIVERSION TUNNELS

PRESSURE TUNNELS OCEAN TEMPERATURE THERMAL WATERS WATER QUALITY AQUEDUCTS CONCRETE LININGS ENTRANCES (FLUID FLOW) --EXCAVATION WATER TERMINALS 4
USe MARINE TERMINALS --EAGAVATION
--HYDRAULICS
HYDROELECTRIC PLANTS
HYDROELECTRIC POWER
INTERBASIN WATER TRANSFERS
--OUTLET WORKS
PENSICOKS
BESISANCE COMPRESSION WATER TRANSFER 1 RT--WATER LAW --WATER SUPPLY WATER TRANSPORTATION 1
UF RIVER TRAFFIC
RIVER TRANSPORTATION RESISTANCE COEFFICIENT -SPILLWAYS
TUNNEL CONSTRUCTION
TUNNEL DESIGN
TUNNEL HYDRAULICS
TUNNEL LININGS
TUNNEL PLUGS RT BARGES -- CANALS -- CHANNELS TOWBOATS
--WATERWAYS (TRANSPORTATION) ATER TREATMENT 1 7
NOTE: Pertains to treatment
for water supply purposes
NT CHEMICAL REMOVAL (WATER
TREATMENT)
FEEDWATER TREATMENT
OXYGENATION
PRETREATMENT (WATER)
WASTE WATER TREATMENT
WATER PURIFICATION
WATER SOFTENING
RT ACTIVATED CARBON
TREATMENT UNLINED TUNNELS WATER TREATMENT -WATER WATER HAMMER WATER TUNNELS (TESTING) NOTE: Hydraulic laboratory testing devices TUNNELS (TESTING) UF TUNNELS OF CONDUITS TUNNES CAVITATION INDEX DESIGN FLOW FLOW MEASUREMENT HEAD LOSSES TREATMENT -- ADSORPTION HYDRAULIC PROPERTIES HYDROSTATICS AERATION CHLORINATION PIEZOMETERS CLARIFICATION CLARIFIERS WATER TURBINES 1
use HYDRAULIC TURBINES COAGULATION DEAERATION DEMINERALIZATION DIATOMACEOUS EARTH WATER VAPOR FLUIDS EFFLUENTS FILTRATION VAPORS FLUORIDATION RT ATMOSPHERE
--CONDENSATION INDUSTRIAL WATER INSECT CONTROL ION EXCHANGE HUMIDITY MIST OXYGENATION STEAM SUBLIMATION --POLLUTION
RECLAIMED WATER
SANITARY ENGINEERING
SEDIMENTATION
SEDIMENTATION TANKS VAPOR PRESSURE WATER WAVE ABSORBERS 1
RT ENERGY ABSORPTION
WATER WAVE FILTERS
WATER WAVE MODELS
--WATER WAVES SEWAGE --SEWAGE TREATMENT --WATER --WATER ANALYSIS
WATER CONSERVATION
WATER DISTRIBUTION
WATER PILITERS
--WATER POLLUTION CONTROL
WATER QUALITY
WATER QUALITY
WATER QUALITY CONTROL
WATER RECIRCULATION
WATER SAMPLING
WATER SUMPLY WATER WAVE ACTION 1
NT WATER WAVE ACTION ON BEACHES
WATER WAVE ACTION ON
MARITIME STRUCTURES WATER WAVE ACTION ON SHIPS ARMOR UNITS DAM FACINGS FREEBOARD HARBOR OSCILLATIONS WATER SUPPLY WATER SUPPLY SYSTEMS WATER TREATMENT PLANTS -HIPRAP
SHORE PROTECTION
WATER WAVE ENERGY
WATER WAVE HEIGHT
WATER WAVE RUN-UP
--WATER WAVES WATER TREATMENT PLANTS 1
RT WATER QUALITY CONTROL
WATER RECLAMATION
--WATER TREATMENT WATER WAVE ACTION ON BEACHES
BT WATER WAVE ACTION
RT BEACH EROSION
BERMS (BEACHES) WATER TUNNELS NOTE: For conveying liquids; excludes hydraulic test COASTAL MORPHOLOGY
SEDIMENT TRANSPORT BY WAVES
SHORE PROTECTION
WATER WAVE MODELS tunnels
UF FLOOD CONTROL TUNNELS
BT CONDUITS
TUNNELS

WATER RIGHTS (Con.) STREAM FLOW --WATER LAW --WATER SUPPLY WATER SALVAGE USE WATER RECLAMATION WATER SAMPLING 1 2 7 BT SAMPLING RT GROUNDWATER QUALITY -- pH TESTS -- SAMPLERS --WATER WATER ANALYSIS
--WATER CHEMISTRY
WATER QUALITY
WATER SOFTENING
--WATER TREATMENT WATER SEALS 1 RT GATE SEALS WATER SHOCK WAVES (AIR INDUCED)
BT SHOCK WAVES
WATER WAVES
WAVES RT AERIAL EXPLOSIONS -WATER WATER SHOCK WAVES (DIRECT) 1 4
BT SHOCK WAVES
WATER WAVES RT -- UNDERWATER EXPLOSIONS WATER SHORTAGE 1
RT LOW FLOW
WATER DEMAND
WATER LOSS
--WATER STORAGE --WATER SUPPLY -- WEATHER MODIFICATION WATER SOFTENING BT WATER TREATMENT RT CHEMICAL REMOVAL (WATER TREATMENT)
DEIONIZATION DEMINERALIZATION DESALTING DISTILLATION FEEDWATER TREATMENT ION EXCHANGE WATER QUALITY WATER SAMPLING WATER SPREADING 1 RT--ARTIFICIAL RECHARGE --DITCHES DIVERSION FLOOD IRRIGATION FLOOD PROTECTION FLOOD PROTECTION
-FLOW CONTROL
FURROW SYSTEMS
INFILITRATION (WATER)
SPREADING BASINS
SURFACE DRAINAGE
--WATER MANAGEMENT WATERSHED MANAGEMENT WATER STAGE RECORDERS 1
BT MEASURING INSTRUMENTS
FT FLOAT GAGES
FLOAT WELLS
FLOOD HYDROLOGY
--GAGING STATIONS --GAGING STATIONS
HYDROLOGIC DATA
--HYDROLOGIC INSTRUMENTS
LIQUID LEVEL INDICATORS
OPEN CHANNEL FLOW
STILLING WELLS
STREAM GAGING
STREAM GAGING
STREAM LEVEL INDICATORS

WATER LEVEL INDICATORS

WATER WAVE ACTION ON MARITIME STRUCTURES 1
BT WATER WAVE ACTION
RT-BREAKWATERS
FLOATING STRUCTURES GROINS JETTIES OFFSHORE STRUCTURES SEA WALLS SEWER OUTFALLS
UNDERWATER CABLES
UNDERWATER PIPELINES
WATER WAVE OVERTOPPING WATER WAVE ACTION ON SHIPS 1 WATER WAVE ACTION RT-- SHIPS WATER WAVE MODELS WATER WAVE ATTENUATION 1
UP WATER WAVE DAMPING
BT WATER WAVE CHARACTERISTICS
WAVE ATTENUATION
RT ATTENUATORS WATER WAVE DISPERSION WATER WAVE BREAKING 1
use BREAKERS (WATER WAVES) WATER WAVE CELERITY 1
UF WATER WAVE SPEED
WATER WAVE VELOCITY WATER WAVE VELOCITY
VELOCITY
WATER WAVE CHARACTERISTICS
WAVE VELOCITY
PREQUENCY
WATER WAVE DISPERSION
WATER WAVE HEIGHT
WATER WAVE PERIODS
WATER WAVE PROPAGATION
WATER WAVE LENGTH
WATER WAVELENGTH
WATER WAVES WATER WAVE CHARACTERISTICS TWAVE CHARACTERISTICS 1
TWATER WAVE ATTENUATION
WATER WAVE CELERITY
WATER WAVE DECAY
WATER WAVE DISPERSION
WATER WAVE DISPERSION
WATER WAVE ENERGY
WATER WAVE FORCES
WATER WAVE HEIGHT
--WATER WAVE MOTION
WATER WAVE MOTION IN OPEN
CHANNELS CHANNELS
WATER WAVE PERIODS
WATER WAVE REFLECTION
WATER WAVE REFRACTION
WATER WAVE RESISTANCE WATER WAVE DAMPING 1
USE WATER WAVE ATTENUATION WATER WAVE DECAY 1 NOTE: Change that waves undergo after leaving a generating area BT WATER WAVE CHARACTERISTICS WATER WAVE DIFFRACTION 1 WAVE DIFFRACTION 1
DIFFRACTION
WATER WAVE CHARACTERISTICS
WAVE DIFFRACTION
WATER WAVE DISPERSION
WATER WAVE PROPAGATION
WATER WAVE REFLECTION
WATER WAVE REFRACTION
WATER WAVE REFRACTION WATER WAVES WATER WAVE DISPERSION WAVE DISPERSION 1
GROUP VELOCITY OF WATER WAVES
PHASE VELOCITY OF WATER WAVES
WATER WAVE CHARACTERISTICS UF

WAVE DISPERSION

WATER WAVE DISPERSION (Con.
RT WATER WAVE ATTENUATION
WATER WAVE CELERITY
WATER WAVE DIFFRACTION
WATER WAVE PROPAGATION
WATER WAVE REFLECTION
WATER WAVE REFRACTION WATER WAVE MEASUREMENT 1
UF WATER WAVE GAGES
WATER WAVE METERS
WATER WAVE RECORDERS BT MEASUREMENT WAVE MEASUREMENT RT-- WATER WAVES WATER WAVE METERS 1
use WATER WAVE MEASUREMENT WATER WAVE ENERGY ATER WAVE ENERGY I
BT WATER WAVE CHARACTERISTICS
RT-WATER WAVE ACTION
WATER WAVE HEIGHT
WATER WAVE PROPAGATION
WATER WAVELENGTH
WATER WAVES WATER WAVE MODELS BT HYDRAULIC MODELS MODELS RT- - BREAKWATERS BHEARWATERS
COASTAL ENGINEERING
WATER WAVE ABSORBERS
WATER WAVE ACTION ON BEACHES
WATER WAVE ACTION ON SHIPS
WATER WAVE GENERATION WATER WAVE ENVELOPE 1
USe WATER WAVE SPECTRA WATER WAVE EXPERIMENTS RT--WATER WAVES -- WATER WAVES WATER WAVE MOTION 1
BT WATER WAVE CHARACTERISTICS
NT WATER WAVE MOTION IN OPEN WATER WAVE FILTERS 1 6 BT FILTERS 1 6
BT FILTERS
RT WATER WAVE ABSORBERS
WATER WAVE TANKS
--WATER WAVES CHANNELS RT-- WATER WAVES WATER WAVE MOTION IN OPEN WATER WAVE FLUMES 1
use FLUMES (HYDRAULIC TESTING FACIL-CHANNELS CHANNELS 1
BT WATER WAVE CHARACTERISTICS
WATER WAVE MOTION
RT FLOOD WAVES
OPEN CHANNELS ITIES) WATER WAVE FORCES 1
UF WATER WAVE PRESSURES
BT WATER WAVE CHARACTERISTICS
RT--WATER WAVES -- WATER WAVES WATER WAVE OVERTOPPING 1
RT WATER WAVE ACTION ON MARITIME STRUCTURES WATER WAVE FORECASTING 1
UF WATER WAVE PREDICTION
BT FORECASTING -- WATER WAVES RT-- WATER WAVES WATER WAVE PATTERNS 1 RT--WATER WAVES WATER WAVE FORMATION 1
use WATER WAVE GENERATION WATER WAVE PERIODS BT WATER WAVE CHARACTERISTICS RT STANDING WAVES (WATER) WATER WAVE GAGES 1
use WATER WAVE MEASUREMENT SURGE WAVES SURGES WATER WAVE GENERATION WATER WAVE CELERITY
WATER WAVE GENERATION
WATER WAVE PROPAGATION
WATER WAVELENGTH
--WATER WAVES UF WATER WAVE FORMATION
BT WAVE GENERATION
RT PULSATING FLOW
TIDAL EFFECTS WAKES WATER CURRENTS WATER WAVE PILE-UP RT--CHANNELS WATER WAVE HEIGHT WATER WAVE MACHINES WATER WAVE MODELS -- CRITICAL FLOW SUPERCRITICAL FLOW WATER WAVE PERIODS -- WATER WAVES WATER WAVE PREDICTION 1
use WATER WAVE FORECASTING WATER WAVE GENERATORS USE WATER WAVE MACHINES WATER WAVE PRESSURES WATER WAVE HEIGHT 1
BT WATER WAVE CHARACTERISTICS
RT DAM FACINGS use WATER WAVE FORCES WATER WAVE PROFILES FETCH RT-- WATER WAVES FREEDOARD
TIDAL WAVES
TSUNAMIS
--WATER WAVE ACTION
WATER WAVE CELERITY
WATER WAVE ENERGY
WATER WAVE GENERATION
WATER WAVE RUN-UP
WATER WAVE SUPPRESSORS
--WATER WAVES FREEBOARD WATER WAVE PROPAGATION 1
BT WAVE PROPAGATION
RT WATER WAVE CELERITY
WATER WAVE DIFFRACTION
WATER WAVE DISPERSION WATER WAVE DISPESSION
WATER WAVE EMERGY
WATER WAVE PERIODS
WATER WAVE REFLECTION
WATER WAVE REFACTION
WATER WAVELENGTH
--WATER WAVES WATER WAVE HINDCASTING 1 RT--WATER WAVES WATER WAVE RECORDERS 1
USE WATER WAVE MEASUREMENT WATER WAVE MACHINES UF WATER WAVE GENERATORS
RT WATER WAVE GENERATION
--WATER WAVES

WATER WAVE REFLECTION 1
BT REFLECTION
WATER WAVE CHARACTERISTICS
WAVE REFLECTION WATER WAVELENGTH WATER WAVE CELERITY
WATER WAVE ENERGY
WATER WAVE PERIODS
WATER WAVE PROPAGATION
--WATER WAVES (Con. WAVE REFLECTION

WATER WAVE DIPFRACTION

WATER WAVE DISPERSION

WATER WAVE PROPAGATION

--WATER WAVES WATER WAVES 1 2 4 BT WAVES WAVES
AIRY WAVES
BORES (RIVER)
BORES (TIDAL)
BREAKERS (WATER WAVES)
CNOIDAL WAVES
DEEP WATER WAVES
PLOOD WAVES
GRAVITY WAVES
-- OCEAN WAVES
OSCILLATORY WAVES (WATER)
PROGRESSIVE WAVES (WATER)
ROLL WAVES WATER WAVE REFRACTION 1 REFRACTION WATER WAVE CHARACTERISTICS WATER WAVE CHARACTERIS!
WAVE REFRACTION
RT--WATER CURRENTS
WATER WAVE DIFFRACTION
WATER WAVE DISPERSION
WATER WAVE PROPAGATION
WATER WAVE REFLECTION
--WATER WAVES WATER WAVE RESISTANCE 1
NOTE: Includes friction, drag
and viscosity
BT WATER WAVE CHARACTERISTICS
RT--WATER WAVES ROLL WAVES
ROTATIONAL WAVES (WATER) FOTATIONAL WAVES (WATE SHALLOW WATER WAVES SOLITARY WAVES (WATER) STOKES WAVES STORM WAVES STORM WAVES SURGE WAVES TIDAL WAVES TRANSLATORY WAVES TSUNARM IS WATER WAVE RUN-UP 1
UF WATER WAVES ON SLOPING BEACHES
RT BEACH EROSION -- BEACHES -- BREAKWATERS TSUNAMIS -- BULKHEADS WIND WAVES BANK PROTECTION BEACH EROSION FREEBOARD OVERTOPPING SEA WALLS SHORE PROTECTION TIDAL WAVES TSUNAMIS -- BREAKWATERS DESIGN WAVE EFFECT OF STRUCTURES ON WATER -- WATER WAVE ACTION
WATER WAVE HEIGHT
-- WATER WAVES WAVES -- EROSION FETCH FREEBOARD FREQUENCY WATER WAVE SEDIMENT TRANSPORT 1
use SEDIMENT TRANSPORT BY WAVES GRAVITY WAVES
HYDRAULIC MODELS
HYDRAULIC TRANSIENTS
INTERNAL WAVES
LITTORAL DRIFT
LITTORAL ZONE WATER WAVE SPECTRA 1
UP ENVELOPE (WATER WAVES)
ORDER NUMBER OF WAVES (WATER)
WATER WAVE ENVELOPE
BT WAVE SPECTRA LONGITUDINAL WAVES OSCILLATIONS (HYDRAULIC) PULSATING FLOW RT--WATER WAVES RESONANCE WATER WAVE SPEED 1 use WATER WAVE CELERITY -- REVETMENT RIP CURRENTS - RIPPLE MARKS
SEA WALLS
SEA (WAVE CONDITION)
SEDIMENT TRANSPORT BY WAVES
SHORE PROTECTION
SPILLWAY CRESTS WATER WAVE SUPPRESSORS 1 RT BAPFLES FREEBOARD HEADWALLS LAMINAR FLOW PULSATING FLOW SURFACE ROUGHNESS (FLUIDS) SURGE WAVES
WATER WAVE HEIGHT
-- WATER WAVES SURGES SWELL (WATER WAVES) TURBULENCE -- WATER WATER WAVE TANKS 1
RT--HYDRAULIC MODELS
WATER WAVE FILTERS
--WATER WAVES -- WATER
-- WATER CIRCULATION
-- WATER CURRENTS
WATER HAMMEF
WATER SHOCK WAVES (AIR INDUCED)
WATER SHOCK WAVES (DIRECT)
WATER WAVE ABSORBERS
-- WATER WAVE ACTION
WATER WAVE CELERITY
WATER WAVE CELERITY
WATER WAVE ENERGY
WATER WAVE EXPERIMENTS
WATER WAVE FILTERS
WATER WAVE FORCES
WATER WAVE HORCES
WATER WAVE HEIGHT WATER WAVE THEORY UF TABLE OF FUNCTIONS (WATER WAVES) RT--WATER WAVES WATER WAVE TRANSMISSION 1 RT--WATER WAVES WATER WAVE VELOCITY 1
USE WATER WAVE CELERITY WATER WAVELENGTH
BT WAVELENGTHS
RT AMPLITUDE
PREQUENCY WATER WAVE HEIGHT WATER WAVE HINDCASTING

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WATER WAVES (Con.)
WATER WAVE MEASUREMENT
WATER WAVE MECHANICS
--WATER WAVE MOTION
WATER WAVE MOTION IN OPEN
                                                                                                                                          WATER YIELD (Con.)
RT DESALTING
-- DISCHARGE (WATER)
-- PERMEABILITY
                                                                                                                                                    -- PRECIPITATION (METEOROLOGY)
-- RUNOFF
                     CHANNELS
               CHANNELS
WATER WAVE OVERTOPPING
WATER WAVE PATTERNS
WATER WAVE PERIODS
WATER WAVE PILE-UP
WATER WAVE PROPILES
WATER WAVE PROPAGATION
WATER WAVE REFLECTION
WATER WAVE REPECTION
                                                                                                                                                    -- SURFACE DRAINAGE
VEGETATION EFFECTS
                                                                                                                                                    WATER LOSS
-- WATER SUPPLY
-- WATER TABLE
WATERSHED MANAGEMENT
                                                                                                                                                     -- WATERSHEDS
                WATER WAVE REPRACTION
WATER WAVE RESISTANCE
WATER WAVE RUN-UP
WATER WAVE SPECTRA
WATER WAVE SUPPRESSORS
WATER WAVELENGTH
                                                                                                                                                          WELL YIELD
                                                                                                                                           WATER ZONING
                                                                                                                                               BT
                                                                                                                                                       ZONING
FLOODPLAIN ZONING
                                                                                                                                                          WATER ALLOCATION WATER POLICY
                                                                                                                                                          WATERSHED MANAGEMENT
 WATER WAVES AFFECTED BY STRUCTURES
USE EFFECT OF STRUCTURES ON WATER
                                                                                                                                           WATERFOWL
                                                                                                                                                TERFOWL 7
BT BIRDS
RT SHORE BIRES
 WATER WAVES IN SHOALING WATER 1
use SHOALING WAVES
                                                                                                                                                          WILDLIFE
                                                                                                                                           WATERLOGGED LAND 1 2
 WATER WAVES ON SLOPING BEACHES USE WATER WAVE RUN-UP
                                                                                                                                               RT BOGS
-- MARSHES
MUCK
      ATER WELLS 1 2 7
NOTE: Includes water supply wells
BT WELLS
NT ARTESIAN WELLS
                                                                                                                                                          MUD
MUSKEG
 WATER WELLS
                                                                                                                                                          PEAT
SATURATED SOILS
          - DEEP WELLS
DEEP WELLS (DEWATERING)
- DRAINAGE WELLS
GRAVEL PACKED WELLS
GRAVITY WELLS
HORIZONTAL DRAINAGE WELLS
                                                                                                                                                    -- SURFACE WATERS
SWAMPS
                                                                                                                                           WATER PROOF COATINGS 2 3 5
BT COATINGS
                                                                                                                                                   T COATINGS
PROTECTIVE COATINGS
T BITUMINOUS COATINGS
COAL TAR
IMPERVIOUS LININGS
IMPERVIOUS MEMBRANES
- SEALERS
SEALING COMPOUNDS
- WATER PROOFING
                INJECTION WELLS
OBSERVATION WELLS
RECHARGE WELLS
                AQUEDUCTS
           -- AQUIFERS
                 ARTESIAN AQUIFERS
           -- DEPLETION
          -- DRAWDOWN
DRAWDOWN CURVES
          -- GROUNDWATER
GROUNDWATER DEPLETION
                                                                                                                                          WATER PROOFING 1 2 3 5
UF MOISTURE PROOFING
NT WATER PROOFING (FOUNDATIONS)
WATER PROOFING (SOILS)
          GROUNDWATER DEPLETION
HYDROGEOLOGY
INDUCED INFILTRATION
INFILTRATION (WATER)
HAPID DRAWDOWN
SPECIFIC CAPACITY
- SPRINGS (WATER)
STORAGE COEFFICIENT
- SUBSURFACE DRAINAGE
                                                                                                                                                         ASPHALT PANELS
ASPHALT PRIMER
                                                                                                                                                         BITUMINOUS COATINGS
CANAL LININGS
                                                                                                                                                    CAULKING
--COATINGS
                                                                                                                                                   -- GROUTING
-- GROUTING
IMPERVIOUS BLANKETS
IMPERVIOUS CUTOPPS
IMPERVIOUS LININGS
IMPERVIOUS MEMBRANES
-- LEAKAGE
          -- WATER
                WATER LEVELS
                WATER PROSPECTING
WATER RESOURCES
          -- WATER SUPPLY
-- WATER TABLE
               WELL CLOGGING
WELL FILTERS
WELL HYDRAULICS
WELL SCREENS
WELL THEORY
                                                                                                                                                   -- LININGS
LIQUID ASPHALT
MOISTURE CONTROL
RESERVOIR LININGS
                                                                                                                                                         SEALERS
                WELLPOINTS
                                                                                                                                                         SEALING COMPOUNDS
SEEPAGE CONTROL
SEEPAGE CONTROL DESIGN
WATER WHEELS
RT--TURBINES
                                                                                                                                                   SEEPAGE CONTROL DESIGN
SODIUM SILICATES
-- SOIL STABILIZATION
TUNNEL LININGS
UNDERWATER CONSTRUCTION
-- UNDERWATER STRUCTURES
VADDE BARBETERS
WATER YIELD
                                 1
    NOTE: Total outflow from a drain-
age basin through either surface
channels or subsurface aquifers
UF YIELD (WATER)
NT RESERVOIR YIELD
                                                                                                                                                         VAPOR BARRIERS
                                                                                                                                                        WATER PROOF COATINGS
WATER PROOFING AGENTS
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WATERPROOFING (Con.)
WATERSTOPS WEATHER PROOFING WATER PROOFING ADMIXTURES USE WATER PROOFING AGENTS WATERPROOFING AGENTS 3
UF WATERPROOFING ADMIXTURES
RT ADMIXTURES
CANAL LININGS
--CONCRETE ADMIXTURES -- SEALERS SEALING COMPOUNDS
-- WATER PROOFING WATERPROOPING (FOUNDATIONS) 2 3
BT WATERPROOPING
NT MEMBRANE WATER PROOFING
(FOUNDATIONS)
RT-FOUNDATION CONSTRUCTION
FOUNDATION GROUTING
UNDERWATER FOUNDATIONS WATERPROOFING (SOILS) 2 5
UF SOIL WATERPROOFING
BT WATERPROOFING
RT BITUMINOUS SOIL STABILIZATION
COFES (DAMS)
GROUT CURTAINS
-- IMPERVIOUS SOILS
PERMEABILITY (SOILS)
RESINOUS SOIL STABILIZATION WATERSHED MANAGEMENT 1 7 BT MANAGEMENT BT MANAGEMENT
WATER MANAGEMENT
WATER RESOURCES MANAGEMENT
RT--EROSION CONTROL
FARM PONDS
FLOOD CONTROL
FLOODPLAIN REGULATION
FLOODPLAIN STUDIES
FOREST MANAGEMENT
HABITAT IMPROVEMENT
LAND MANAGEMENT
RIVER BASIN DEVELOPMENT
SEDIMENT YIELD
SURFACE BUNOFF SURFACE RUNOFF
WATER CONSERVATION
WATER SPREADING
--WATER STORAGE -- WATER SUPPLY -- WATER YIELD WATER ZONING -- WATERSHEDS -- WEED CONTROL
-- WILDLIFE MANAGEMENT ATERSHEDS 1 2 7
NOTE: Region or area drained by
a river, stream, etc.; a drainage area
UF CATCHMENT AREAS WATERSHEDS DRAINAGE BASINS
AGRICULTURAL WATERSHEDS
RIVER BASINS RT- - DRAINAGE DRAINAGE
DRAINAGE DENSITY
DRAINAGE SYSTEMS
FLOOD CONTROL
FLOOD FORECASTING
FLOOD FREQUENCIES
FLOODPLAIN REGULATION
FLOODPLAIN STUDIES
FORESTY FORESTRY GROUNDWATER HYDROLOGY HEADWATERS HYDROGRAPHS -- HYDROLOGY LAND USE OVERLAND FLOW PEAK RUNOFF

SHEDS (Con.)
PRECIPITATION (METEOROLOGY)
RAIN AND RAINFALL
RIVER SYSTEMS WATERSHEDS -- RIVERS -- RUNOFF RUNOFF COEFFICIENT SEDIMENT YIELD STREAM FLOW STREAMFLOW REGULATION SURFACE RUNOFF
--SURFACE WATERS
TIME OF CONCENTRATION
--VALLEYS -- WATER WATER CONSERVATION -- WATER STORAGE -- WATER TABLE -- WATER YIELD WATERSHED MANAGEMENT -- WATERWAYS (WATERCOURSES) WATERSTOPS UF WATER STOPS BT JOINT SEALERS RT ASPHALTS
-- CLOSURES CONSTRUCTION JOINTS -- FILLERS -- JOINTS (JUNCTIONS) SEALING COMPOUNDS SEALS (STOPPERS) -- WATER -- WATER PROOFING WATERTIGHTNESS use PERMEABILITY WATERWAYS EXPERIMENT STATION PRESSURE CELLS 2 3 4 9 use WES PRESSURE CELLS WATERWAYS EXPERIMENT STATION SAMPLERS use WES SAMPLERS WATERWAYS MODELS use HYDRAULIC MODELS WATERWAYS (TRANSPORTATION)
UF NAVIGABLE WATERWAYS SEAWAYS TRAFFIC WATERWAYS TRAFFIC WATERWAYS

-- INLAND WATERWAYS

INTRACOASTAL WATERWAYS

NAVIGABLE RIVERS NAVIGATION CANALS RESTRICTED CHANNELS BARGES CANALIZATION -- CANALS -- CIVIL ENGINEERING HARBORS -- NAVIGABLE WATERS TOWBOATS TUGBOATS TURNING BASINS WATER TRANSPORTATION WATERWAYS (WATERCOURSES) WATERWAYS (WATERCOUSES)
NT--CHANNELS
ESTUARIES FLOODWAYS
-- INLETS (WATERWAYS)
-- IRRIGATION CANALS
NATURAL STREAMS -- OPEN CHANNELS -- RIVERS TRIBUTARIES VEGETATED WATERWAYS

WATERWAYS (WATERCOURSES)
RT--LAKES
--RESERVOIRS WAVE EQUATIONS (PILES) 2
UF PILE WAVE EQUATIONS
BT WAVE EQUATIONS
RT--PILE BEARING CAPACITY (Con.) RIVER BASINS STRAITS - SURFACE WATERS WATER RESOURCES WAVE FUNCTIONS 4 RT PERTURBATION THEORY -- WATERSHEDS -- WATERWAYS (TRANSPORTATION) WAVE GENERATION 1 6
NOTE: Waves in all media, excluding water waves
NT WATER WAVE GENERATION
RT--WAVE ATTENUATION
-- WAVE DIFFRACTION
-- WAVE DISPERSION
-- WAVE DEPACATION WATERWORKS 1
RT WATER CONTROL
WATER DISTRIBUTION
--WATER SUPPLY WAVE ATTENUATION 1 2 4 6
NOTE: Relates to wave amplitude
BT ATTENUATION
NT WATER WAVE ATTENUATION
RT--ACCOUSTIC PROPERTIES -- WAVE PROPAGATION WAVE REFLECTION WAVE REFRACTION - WAVES -- DAMPING
-- ENERGY LOSSES
LIGHT (ILLUMINATION)
SOUND TRANSMISSION WAVE-INDUCED CURRENTS USE LITTORAL CURRENTS
MASS TRANSPORT CURRENTS -- WAVE DIFFRACTION -- WAVE DISPERSION WAVE-INDUCED FRACTURE 3 4 7
COMMINUTION -- WAVE GENERATION
-- WAVE PROPAGATION
WAVE RAREFACTION WAVE MEASUREMENT 1 2 4 6
BT MEASUREMENT
NT WATER WAVE MEASUREMENT -- WAVES RT-- DETECTORS
-- GEOPHYSICAL EXPLORATION WAVE DIFFRACTION 1 2 4 6
NOTE: Waves in all media, excluding water waves
BT DIFFRACTION
NT WATER WAVE DIFFRACTION
RT-ACOUSTIC PROPERTIES SEISMOGRAPHS SEISMOMETERS SEISMOSCOPES -- WAVES NOTE: Theory of matter holding that elementary particles (such as electrons, protons, and neutrons) have wavelike proper--- SONICS WAVE MECHANICS -- WAVE ATTENUATION
-- WAVE DISPERSION
-- WAVE GENERATION -- WAVE PROPAGATION -- WAVE REFLECTION -- WAVE REFRACTION
-- WAVES RT--WAVES WAVE MOTION 1 2 4 5 6 use WAVES AVE DISPERSION 1 2 4 6
NOTE: Relates to wave velocity
UF DISPERSION (WAVES)
DISPERSIVE WAVES
GROUP VELOCITY OF WAVES
PHASE VELOCITY OF WAVES
NT WATER WAVE DISPERSION
RT-ACCUSTIC PROPERTIES
ENERGY DISSIPATION WAVE DISPERSION WAVE PRESSURE 2 4 BT PRESSURE RT--WAVES 1 2 4 5 6 WAVE PROPAGATION UF WAVE TRANSMISSION
NT ELECTROMAGNETIC WAVE TRANSMISSION ENERGY DISSIPATION OPTICAL PROPERTIES OPTICS --REFRACTION LIGHT TRANSMISSION RADIO TRANSMISSION -- WAVE ATTENUATION -- WAVE DIFFRACTION SCATTER PROPAGATION SOUND TRANSMISSION -- WAVE GENERATION
-- WAVE PROPAGATION TELEVISION TRANSMISSION WATER WAVE PROPAGATION ACOUSTIC PROPERTIES FOURIER ANALYSIS WAVE RAREFACTION
--WAVE REFLECTION -- WAVE REFRACTION GROUND SHOCK -- WAVE VELOCITY - LAYERED SYSTEMS
MECHANICAL WAVES
POWER SPECTRA
SEISMIC INVESTIGATIONS AERODYNAMIC CHARACTERISTICS DRAG SOIL DYNAMICS TRANSMISSIVITY PRESSURE DRAG -- WAVE ATTENUATION
-- WAVE DIFFRACTION
-- WAVE DISPERSION
-- WAVE GENERATION
WAVE REFLECTION
-- WAVE REFLECTION WAVE EQUATIONS 2 6

NOTE: Equations that give a mathematical specification of a wave process, or describe the performance of a medium through which a wave is passing NT MAXWELLS WAVE EQUATIONS

WAVE EQUATIONS (PILES) -- WAVE REFRACTION WAVE RAREFACTION 2 4
UF UNLOADING WAVES
RT--ACOUSTIC PROPERTIES
--WAVE ATTENUATION
--WAVE DISPERSION
--WAVE DISPERSION QUANTUM THEORY

The state of the s

-- WAVE PROPAGATION

-- WAVES

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WAVE REFLECTION 1 2 4 6
BT REFLECTION
NT WATER WAVE REFLECTION
RT--ACOUSTIC PROPERTIES
                 ALTIMETERS
DEPTH FINDERS
LIGHT (ILLUMINATION)
           -- RADAR
           SEISMIC REFLECTION
-- SONICS
           -- WAVE DIFFRACTION
-- WAVE DISPERSION
-- WAVE GENERATION
-- WAVE PROPAGATION
-- WAVE REFRACTION
            -- WAVES
  WAVE REFRACTION 1 2 4 6
       BT REFRACTION
NT WATER WAVE REFRACTION
       RT-- ACOUSTIC PROPERTIES
LIGHT (ILLUMINATION)
-- SEISMIC REFRACTION
           -- SONICS
           -- WAVE DIFFRACTION
-- WAVE DISPERSION
-- WAVE GENERATION
-- WAVE PROPAGATION
           -- WAVE REFLECTION
 WAVE SPECTRA 1 2 3 4
UF AMPLITUDE SPECTRUM (WAVES)
PHASE SPECTRUM (WAVES)
NT WATER WAVE SPECTRA
       RT-- WAVES
 WAVE TRANSMISSION 2
use WAVE PROPAGATION
 WAVE VELOCITY 1 2 6
BT VELOCITY
NT WATER WAVE CELERITY
      RT-- FREQUENCY
SEISMIC SURVEYS
               VIBRATORY INVESTIGATIONS
WAVE DISPERSION
          -- WAVES
 WAVE VELOCITY TESTS 3
use PULSE VELOCITY TESTS
 WAVEFORMS
     RT AMPLITUDE
-- FOURIER ANALYSIS
GRAPHICAL METHODS
          -- OCEAN WAVES
          -- WAVES
WAVELENGTHS 1 4
NT WATER WAVELENGTH
RT--FREQUENCY
     NOTE: Includes theoretical studies of mechanics of waves in all
   UF WAVE MOTION
NT AIR BLAST WAVES
AIRY WAVES
APERIODIC WAVES
BORES (RIVER)
BORES (RIVER)
BORES (TIDAL)
BREAKERS (WATER WAVES)
CAPILLARY WAVES
CNOIDAL WAVES
COMPRESSION WAVES
CYLINDRICAL WAVES
DETONATION WAVES
-- ELASTIC WAVES
-- ELECTROMAGNETIC RADIATION
PLEXURAL WAVES
FLOOD WAVES
FLOOD WAVES
         media
            PLOOD WAVES
GAMMA RAYS
GRAVITY WAVES
                                                                                                                                                   WAVEFORMS
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(Con.)
GROUND SHOCK WAVES (AIR INDUCED)
GROUND SHOCK WAVES (DIRECT)
IMPULSIVELY GENERATED WAVES INFRARED RAYS INTERNAL WAVES LAMB WAVES LOADING WAVES LONGITUDINAL WAVES LOVE WAVES MECHANICAL WAVES MICROBAROMETRIC WAVES MICROSEISMS MICROWAVES
OCEAN WAVES
OCEAN WAVES
OSCILLATORY WAVES (WATER)
OUTRUNNING WAVES
PERIODIC WAVES
PIER END WAVES PIER END WAVES
PLANTIC WAVES
PLASTIC WAVES
PRESSURE WAVES
PROGRESSIVE WAVES (WATER)
RADAR SIGNALS
-RADIO WAVES
RAYLEIGH WAVES
ENDLE WAVES ROLL WAVES
ROTATIONAL WAVES (WATER) -- SEISMIC WAVES SHEAR WAVES SHIP WAVES SHOALING WAVES SHOALING WAVES
-SHOCK WAVES
SOLITARY WAVES (WATER)
-SOUND WAVES
SPHERICAL WAVES
STANDING WAVES (SOLID MEDIA)
STANDING WAVES (WATER)
STOKES WAVES
STONELEY WAVES STORM WAVES STRESS WAVES SUPERSEISMIC WAVES SUPERSEISMIC WAVES
-SUPERACE WAVES (SOLID MEDIA)
SURGE WAVES
TIDAL WAVES
TORSIONAL WAVES
TRANSEISMIC WAVES
TRANSIENT WAVES TRANSLATION WAVES TRANSLATORY WAVES TSUNAMIS ULTRASONIC WAVES ULTRASONIC WAVES
ULTRAVIOLET RAYS
VISCOBLASTIC WAVES
WATER SHOCK WAVES (AIR INDUCED)
WATER SHOCK WAVES (DIRECT)
WATER WAVES
WAVES IN POROUS MEDIA
WIND WAVES
VEAVES X RAYS AMPLITUDE CRITICAL FREQUENCY
-- FREQUENCY -- FREQUENCY
-- OSCILLATIONS
PERTURBATION THEORY
VIBRATION THEORY
VIBRATIONS (VEHICLES)
-- WAVE ATTENUATION
-- WAVE DIFFRACTION
-- WAVE DISPERSION
-- WAVE FOUNTIONS -- WAVE EQUATIONS -- WAVE GENERATION -- WAVE MEASUREMENT WAVE MECHANICS WAVE PRESSURE WAVE PROPAGATION WAVE RAREFACTION WAVE REFLECTION -- WAVE REFRACTION -- WAVE SPECTRA

WAVES (ACOUSTIC)
use SOUND WAVES 1 2 3 4 6 7 WEAPONS (Con.)
GUIDED MISSILES
LAND MINES WAVES IN POROUS MEDIA UF FRAME WAVES SKELETON WAVES --MILITARY AIRCRAFT --MINES (ORDNANCE) --MISSILES 2 4 -- PROJECTILES WAVES --ROCKETS SHAPED CHARGES TORPEDOES RT--ELASTIC WAVES WAXES 2 3 RT--COATINGS --WARPARE -- CONCRETE CURING --WARHEADS --WEAPONS EFFECTS WEAPONS TESTS --FINISHES LUBRICANTS
--PACKAGING MATERIALS
PARAFINS WEAPONS DETECTION --SEALERS TALL OIL WEAPONS EFFECTS MT CONVENTIONAL WEAPONS EFFECTS
NUCLEAR WEAPONS EFFECTS
RT REVETMENT (BALLISTIC
PROTECTION) --WATERPROOFING WEAPON CARRIERS NOTE: Includes guided missile carriers, mortar carriers, etc. BT COMBAT VEHICLES --WEAPONS BT COMBAT VEHICLES
MILITARY VEHICLES
NT SELF PROPELLED ARTILLERY
RT--ARTILLERY
--OFF-ROAD VEHICLES
PROJECTILES
--ROAD VEHICLES
--SELF PROPELLED VEHICLES
--TRACKED VEHICLES
--WHEELED VEHICLES WEAPONS TESTS RT--WEAPONS WEAR RT ABRASION -- DETERIORATION -- DURABILITY -- EROSION -- FAILURE (MECHANICS) FATIGUE (MATERIALS) WEAPON FOUNDATIONS 2 3 UF ARTILLERY FOUNDATIONS
BT FOUNDATIONS --FRICTION GRINDING (MATERIAL REMOVAL) RT--ARTILLERY -- HARDNESS -- DYNAMIC BEARING CAPACITY SPALLING -DINAMIC BEARING CAPAC.
FOUNDATION VIERATIONS
-IMPULSIVE LOADS
REPETITIVE LOADS
SHOCK ISOLATION
VIERATORY LOADS --WEAR RESISTANCE --WEAR TESTS BT MECHANICAL PROPERTIES
NT ABRASION RESISTANCE
FATIOUE (MATERIALS)
--HARDNESS
IMPAGE CONTROL WEAR RESISTANCE WEAPON FRAGMENTATION 2 4 BT FRAGMENTATION RT--ARTILLERY IMPACT STRENGTH ARTILLERY
-FRAGMENTATION AMMUNITION
FRAGMENTATION BOMBS
TERMINAL BALLISTICS WEAR --WEAR TESTS WEAR TESTS 3 5
NT ABRASION TESTS
RT--AGGREGATE TESTS
--CHEMICAL TESTS WEAPON SYSTEMS RT--ARTILLERY HARDENING (SYSTEMS) DURABILITY TESTS
--DYNAMIC TESTS
FATIGUE TESTS
--FRICTION LASERS -MILITARY AIRCRAFT --MISSILES --NUCLEAR WEAPONS --FRICTION
HARDNESS TESTS
HIGH TEMPERATURE TESTS
LABORATORY TESTS
LOW TEMPERATURE TESTS
--QUALITY CONTROL
RADIATION TESTS -- ROCKETS WEAPONS --ARTILLERY
--ARTILLERY ROCKETS
--BOMES (ORDNANCE)
CONVENTIONAL WEAPONS
FISSION WEAPONS
GUNS (ORDNANCE)
HEAVY ARTILLERY
HOWITZERS
LIGHT ARTILLERY
MEDIUM ARTILLERY
MEDIUM ARTILLERY
MORTARS (WEAPONS)
--NUCLEAR WEAPONS
--AMMUNITION
--ARTILLERY NT--ARTILLERY SPALLING --STATIC TESTS --WEAR RESISTANCE EATHER 1 2 5 6 7
RT AIR MASSES
AIR TEMPERATURE
CLIMATIC CHANGES
--CLIMATOLOGY
CLOUDS
--CYCLONES
--ENULREMENTS WEATHER RT --ARTILLERY -- ENVIRONMENTS BALLISTIC MISSILES
CARTRIDGES (EXPLOSIVES)
DEMOLITION CHARGES
DEPTH CHARGES FOG HUMIDITY METEOROLOGICAL DATA
--METEOROLOGICAL FACTORS
METEOROLOGICAL RADAR DETONATORS FIRE CONTROL

GRENADES

WEATHERING (CONCRETE) 3

UF CONCRETE WEATHER PROBLEMS
CONCRETE WEATHERING

RT CONCRETE CURING
CONCRETE DISCOLORATION
--CONCRETE DISCOLORATION
--CONCRETE EROSION
CONCRETE EROSION
CONCRETE EXPOSURE
CONCRETE FREEZING AND
THAWING
--CORPOSION TESTS WEATHER (Con.)
--METEOROLOGY
--PRECIPITATION (METEOROLOGY)
RAIN AND RAINFALL
SNOW SNOW
-STORMS
WEATHER FORECASTING
-WEATHER MODIFICATION
WEATHER PATTERNS
WEATHERING (GEOLOGY)
-WIND (METEOROLOGY) -CORROSION TESTS WEATHER CONTROL 1 7
USE WEATHER MODIFICATION DAMAGE DAMAGE
EFFLORESCENCE
EROSION RESISTANCE (CONCRETE)
FREEZE-THAW DURABILITY
FROST ACTION
ORANULATION
LEACHING (CONCRETE)
--MECHANICAL PROPERTIES
SPALLING WEATHER DATA 1 5 6
USE METEOROLOGICAL DATA WEATHER FORECASTING 1 6 7 BT FORECASTING
RT AIR-EARTH INTERFACES
AIR MASSES
AIR-WATER INTERFACES SPALLING WEATHERING (GEOLOGY) 1 2
NOTE: Processes by which rocks
and minerals are changed into ANNUAL FLOODS ATMOSPHERIC DENSITY BALLOONS SO118 UF ROCK WEATHERING RT ABRASION HUMIDITY METEOROLOGICAL SATELLITES --METEOROLOGY
--PRECIPITATION (METEOROLOGY)
PROBABLE MAXIMUM PRECIPITA-AGING --CHEMICAL ATTACK COMMINUTION
--CORROSION
--CRACKING (FRACTURING)
--DAMAGE TION RADAR SYNOPTIC ANALYSIS
--TEMPERATURE
--WATER SUPPLY FORECASTING DECOMPOSITION
--DEGRADATION WEATHER MODIFICATION
WEATHER PATTERNS
WIND (METEOROLOGY) --DETERIORATION DISINTEGRATION --EROSION FISSURES FRACTURES AND FRACTURING (GEOLOGY) WEATHER MAPS 1 6 -- FRAGMENTATION -- FROST ACTION GEOCHEMISTRY BT MAPS RT METEOROLOGICAL DATA WEATHER MODIFICATION -- GEOLOGICAL DEPOSITS UF WEATHER CONTROL
NT CLOUD SEEDING
RT ARTIFICIAL PRECIPITATION
--CLIMATOLOGY --GEOMORPHOLOGY GRANULATION GRINDING (COMMINUTION)
HUMID REGIONS DROUGHTS FLOOD CONTROL LATERITES
--MECHANICAL PROPERTIES --METEOROLOGY --PRECIPITATION (METEOROLOGY) PROBABLE MAXIMUM PRECIPITA-OXIDATION PEDIMENTS --PHYSICAL GEOLOGY --RESIDUAL SOILS ROCK CLASSIFICATION TION RAIN AND RAINFALL --STORMS SAPROLITES --SOIL MORPHOLOGY -- WATER MANAGEMENT -- WATER RESOURCES MANAGEMENT TALUS WATER SHORTAGE TEMPERATURE EFFECTS WEATHER FORECASTING --WEATHER WEATHER PROOFING 2 3 5 WEATHER PATTERNS RT AIR MASSES ANTICYCLONES RT--COATINGS -- CORROSION PREVENTION PACKAGING --CYCLONES
DEPTH-AREA CURVES
MAXIMUM PROBABLE FLOOD
--PRECIPITATION (METEOROLOGY) -- PAINTS -- WATER PROOFING WEB REINFORCEMENT -- PROFILES
RAIN AND RAINFALL BT REINFORCING STEELS --STORMS WEBER LAW --WEATHER WEBER NUMBER 1
RT HYDRAULIC SIMILITUDE
SURFACE TENSION WEATHER FORECASTING WEATHER RADAR 1 2 USE METEOROLOGICAL RADAR WEBS (SUPPORTS) 3 RT STRUCTURAL MEMBERS WEATHER STATIONS 1 6
UF METEOROLOGICAL STATIONS
BT STATIONS
RT--METEOROLOGICAL INSTRUMENTS
METEOROLOGICAL SATELLITES

--METEOROLOGY

WEDGE METHOD 2 UF SLIDING WEDGE ANALYSIS WEIR CRESTS 1 BROAD-CRESTED WEIRS CIPOLLETTI WEIRS SLIDING WEDUS ANALISIS
EARTH PRESSURE THEORIES
GRAPHICAL METHODS
SLOPE STABILITY ANALYSIS
COULOMBS THEORY
CRITICAL SURFACE
CULMANNS METHOD NAPPE TRANSLATORY SLIDES WEED CONTROL 1 7
BT PEST CONTROL
NT ALGAL CONTROL
AQUATIC PLANT CONTROL
RT ALLIGATORWEED WEIR GAGES WEIR PONDS --WEIRS HERBICIDES --POISONS WEIR GAGES 1 GAGES TEST CANALS BT WATERSHED MANAGEMENT BEDS 1 7
BT PLANTS (BOTANY)
NT ALLIGATORWEED
--AQUATIC WEEDS
RT--AQUATIC ALGAE
AQUATIC PLANT CONTROL
--AQUATIC PLANTS
BIOLOGY
CROUND COMER WEEDS WATER SURFACE WEIR CRESTS WEIR PONDS WEIR PONDS BOXES (WEIRS) GROUND COVER
VEGETATION EFFECTS
WATER HYACINTHS
--WEED CONTROL UF WEEP HOLES RT--DRAINAGE SUBMERGED WEIRS -- DRAINS -- RETAINING WALLS WEIR CRESTS WEIR GAGES WEIGHING DEVICES 2 3 5 UF BALANCES (LABORATORY EQUIPMENT) --WEIRS SCALES (WEIGHING DEVICES)
WEIGHT INDICATORS WEIRS MEASURING INSTRUMENTS
WEIGHT AND FORCE MEASURING
INSTRUMENTS GRAVITY SPECIFIC GRAVITY DETERMINA-TION
--THERMAL ANALYSIS
--UNIT WEIGHT DETERMINATION WEIGHT AND FORCE MEASURING EIGHT AND FORCE MEASURING
INSTRUMENTS 2
BT MEASURING INSTRUMENTS
NT LOAD CELLS
PROVING FRAMES
PROVING RINGS
WEIGHING DEVICES
RT--LOAD TESTS (FOUNDATIONS)
LOADING MACHINES --FLOW CONTROL FLOW MEASUREMENT --FLOWMETERS --HYDRAULICS NAPPE OVERFALLS OVERFLOW OVERTOPPING WEIGHT DROPPING (SEISMOLOGY) GEOPHYSICAL EXPLORATION SEISMIC SURVEYS SPILLWAYS STAFF GAGES STILLING WELLS SUBSURFACE EXPLORATION WEIGHT INDICATORS WEIR CRESTS WEIR GAGES WEIR PONDS use WEIGHING DEVICES WEIGHT MEASUREMENT RT--DENSITY (MASS/VOLUME)
DENSITY MEASUREMENT
HYDROMETER ANALYSIS WEIRS (RIVERS)
use DAMS LOAD CELLS WEIGHTS AND MEASURES 6 UF UNITS OF MEASUREMENT RT--MEASUREMENT WELDED WIRE FABRIC 3
UF FABRICS (WELDED WIRE)
WIRE MESH
RT--REINFORCING STEELS METRIC SYSTEM

OVERFLOW RECTANGULAR WEIRS SHARP-CRESTED WEIRS SPILLWAY CRESTS
SPILLWAY PROFILES
SUBMERGED WEIRS VEE-NOTCHED WEIRS WATER SURFACE HYDROLOGIC INSTRUMENTS
MEASURING INSTRUMENTS
RECTANGULAR WEIRS
STAFF GAGES VEE-NOTCHED WEIRS WEIR BOXES
BROAD-CRESTED WEIRS
CIPOLLETTI WEIRS
RECTANGULAR WEIRS SHARP-CRESTED WEIRS STAFF GAGES VEE-NOTCHED WEIRS NOTE: Devices over which liquids flow and which may be used to measure rate of flow BROAD-CRESTED WEIRS CALIFORNIA PIPE METHOD CIPOLLETTI WEIRS HERSCHEL WEIRS RECTANGULAR WEIRS SHARP-CRESTED WEIRS SUBMERGED WEIRS TRAPEZOIDAL WEIRS VEE-NOTCHED WEIRS RT APPROACH CHANNELS --DISCHARGE (WATER) WATER MEASUREMENT WELDED CONNECTIONS 3 BT CONNECTIONS RT--JOINTS (JUNCTIONS)

WEIR BOXES use WEIR PONDS

WELL LOGGING (Con.)
GAMMA RAYS
NUCLEAR LOGGING
3-D LOGGING WELDING 2 4 5 6
NT ACETYLENE WELDING ACCTYLENE WELDING
ARC WELDING
--ELECTRIC WELDING
ELECTRON BEAM WELDING
EXPLOSIVE IMPULSIVE WELDING WELL LOGS SPOT WELDING ULTRASONIC WELDING WELL LOGS UF LOGS (WELLS)
RT BOREHOLE LOGGING
BORING LOGS
GROUNDWATER ELEVATION RT--CONSTRUCTION --JOINTS (JUNCTIONS) LASERS SEALING GROUNDWATER ELEVATIO
--LOGGING
ROCK CLASSIFICATION
--ROCK PROPERTIES
SOIL CLASSIFICATION
SOIL LAYERS
SOIL LENSES
SOIL PROFILES
--SOIL PROPERTIES
SOIL TEXTURE
--STRATIFICATION
WELL LOGGING -STRUCTURAL MEMBERS TUNGSTEN WELDMENTS WELDMENTS 4 6 RT--ELECTRIC WELDING --WELDING ELL CASINGS 1 2
BT CASINGS (DRILLING)
RT--CORROSION
DEEP WELLS (DEWATERING)
GRAVEL PACKED WELLS WELL CASINGS WELL LOGGING WELL PERFORMANCE --PIPES UF RELIEF WELL PERFORMANCE
RT RELIEF WELLS
WELL CLOGGING
WELL RENOVATION WELL CONSTRUCTION
WELL FILTERS
WELL SCREENS
WELLPOINT SCREENS --WELLS WELL CLOGGING 1 2 RT GAS WELLS OIL WELLS WELL PUMPING TESTS 1 2 use PUMPING TESTS (WELLS) WELL REGULATIONS 1
RT SUBSURFACE RUNOFF
-- SUBSURFACE WATERS -- WATER WELLS WELL PERFORMANCE WELL RENOVATION WELL CONSTRUCTION 1 2
UF RELIEF WELL CONSTRUCTION
BT CONSTRUCTION
RT PERCUSSION DRILLING
RELIEF WELLS
WELL CASINGS
WELL DESIGN
WELL FILTERS
--WELLS WELL RENOVATION 1 2
RT WELL CLOGGING
WELL PERFORMANCE -- WELLS WELL SCREENS SCREENS 1 2 SCREENS (WELLS) RT-- CORROSION - FILTERS RELIEF WELL DESIGN DESIGN GRAVEL PACKED WELLS
--WATER WELLS
WELL CASINGS
WELL FILTERS WELL DESIGN RELIEF WELL THEORY RELIEF WELLS WELL CONSTRUCTION WELL FILTERS WELLPOINT SCREENS WELL SPACING RT-- DRAWDOWN SALT WATER BARRIERS WELLPOINTS WELL FILTERS 1 2 6 FILTERS FLUID FILTERS FILTRATION WELL THEORY 1 2
RT COEFFICIENT OF PERMEABILITY
DARCYS LAW
DEWATERING GRAVELS --WATER WELLS
WELL CASINGS
WELL CONSTRUCTION WELL DESIGN WELL SCREENS DRAWDOWN DUPUITS EQUATION DUPUITS EQUATION
-FLOW THROUGH POROUS MEDIA
-GROUNDWATER FLOW
GROUNDWATER LOWERING
-HYDRAULIC GRADIENTS
-PERMEABILITY
PUMPING TESTS (WELLS)
RELIEF WELL THEORY
SEEPAGE THEORY WELLPOINTS -WELLS RT RELIEF WELL THEORY
--WATER WELLS
WELL THEORY WELL HYDRAULICS WELL THEORY WELL LOGGING 2
UF OIL WELL LOGGING
BT LOGGING
RT ACCESSIBLE EXPLORATION -- WATER WELLS WELL HYDRAULICS WELL YIELD 1 RT DISCHARGE MEASUREMENT --DRAINAGE WELLS BOREHOLE LOGGING BOREHOLE PHOTOGRAPHY CALIPER LOGGING -- DRAWDOWN FLOW MEASUREMENT DENSILOGS INFLOW PUMPING TESTS (WELLS) ELECTRICAL LOGGING EXPLORATORY WELLS

-- WATER YIELD WELLPOINTS

WELLPOINT SCREENS 1 2 S SAMPLERS 2 UF WATERWAYS EXPERIMENT STATION SAMPLERS WES SAMPLERS RT--CORROSION
WELL CASINGS
WELL SCREENS
WELLPOINTS BT CORE BORING SAMPLERS
DOUBLE TUBE CORE BARRELS
ROTARY CORE BARRELS WELLPOINTS 1 2
RT DEWATERING
-- DRAINAGE
DRAINAGE SYSTEMS
-- DRAINAGE WELLS SAMPLERS DENISON SAMPLERS PITCHER SAMPLERS -- SOIL CORE BARRELS -- SOIL SAMPLERS -- DRAINS -- DRAWDOWN WESTERGAARD THEORY -- EXCAVATION
GROUNDWATER LOWERING WESTERN PILES (CASED) 2
BT CASED PILES
CAST-IN-PLACE PILES
CONCRETE PILES
CONCRETE PRODUCTS 2 3 HEADER PIPES **JETTING** JETTING
OBSERVATION WELLS
RELIEF WELLS
VERTICAL DRAINS
-- WATER TABLE
-- WATER WELLS
WELL FILTERS
WELL SPACING
WELL VIELD PILES
RT FRANKI PILES (CASED)
RAYMOND PILES WESTERN PILES (UNCASED) 2 3
BT CAST-IN-PLACE PILES
CONCRETE PILES
CONCRETE PRODUCTS WELL YIELD WELLPOINT SCREENS WELLS 1 2 7 NT ARTESIAN WELLS PILES UNCASED PILES
RT AUGERED CONCRETE PILES - DEEP WELLS
DEEP WELLS (DEWATERING)
DISPOSAL WELLS
-- DRAINAGE WELLS -BORED PILES
BULB PILES FRANKI PILES (UNCASED) EXPLORATORY WELLS WET ANALYSIS 1 2
BT GRAIN SIZE ANALYSIS
INDEX TESTS
SOIL TESTS (LABORATORY)
NT HYDROMETER ANALYSIS
PIPETTE METHOD
RT--CLAYEY SOILS
DEFLOCULATION
DISPERSANTS GAS WELLS GRAVEL PACKED WELLS GRAVITY WELLS HORIZONTAL DRAINAGE WELLS INJECTION WELLS OBSERVATION WELLS OIL WELLS RECHARGE WELLS DISPERSANTS -- FINE GRAINED SOILS RELIEF WELLS RT--CASINGS (DRILLING) CENOTES FINES
-- SEDIMENTATION DEWATERING SIEVE ANALYSIS STOKES LAW -- DRAWDOWN DRAWDOWN CURVES WET CURING -- EXCAVATION INFLOW use MOIST CURING PUMPING PUMPING TESTS (WELLS) WET DENSITY BT DENSITY (MASS/VOLUME)
RT PER CENT SATURATION
WATER CONTENT (CONCRETE)
--WATER CONTENT (SOILS) PUMPING TESTS (WELLS - PUMPS (EXCAVATIONS) SPECIFIC CAPACITY THIEM TEST WELL CASINGS WELL CONSTRUCTION WELL FILTERS WELL LOGGING WELL LOGS WELL PERFORMANCE WELL PERFORMANCE WELL SEGULATIONS WET UNIT WEIGHT (SOILS)
use SOIL DENSITY WETLANDS TILANDS 1 7

NT BAYOUS

COASTAL MARSHES

FRESHWATER MARSHES

MANGROVE SWAMPS WELL REGULATIONS
WELL RENOVATION
WELL SPACING -- MARSHES SALT MARSHES
--SWAMPS
TIDAL MARSHES
TT-AQUATIC ENVIRONMENT
--AQUATIC HABITATS
BOGS WELL YIELD WES CONE PENETROMETERS 5
use CONE PENETROMETERS WES PRESSURE CELLS 2 3 4 5

UF WATERWAYS EXPERIMENT STATION PRESSURE CELLS

BT MEASURING INSTRUMENTS PRESSURE CELLS (SOILS)

RT-- TRAFFICABILITY TEST INSTRUMENTS FLOODING FRESH WATER FRESH WATER
MUSKEG
SHALLOW WATER
STAGNANT WATER
STANDING WATERS
STANDING WAVES (WATER)
--SURFACE WATERS
TERRESTRIAL HABITATS
WILDLIFE CONSERVATION MENTS
-- VEHICLE TEST INSTRUMENTS

- CONSTRUCTION EQUIPMENT CRAWLER TRACTORS SEMITRAILERS WETTING AGENTS 1 2 3 7
NOTE: Substances that reduce the surface tension of a liquid, thereby causing it to spread TRAILERS -- TRUCKS more readily on a solid surface RT--ADMIXTURES WHEELED VEHICLES
NT AMBULANCES
GOER VEHICLES -- CONCRETE ADMIXTURES
DETERGENTS DISPERSANTS JEE PS EMULSIFYING AGENTS SEMITRAILERS SOAPS TANK TRUCKS TOWED WHEELS TRAILERS SURFACE TENSION SURFACTANTS TRUCKS WHEELED TRACTORS WETTING AND DRYING TESTS 2 3
UF SLAKING TESTS
BT SOIL TESTS (LABORATORY)
RT ACCEPTANCE TESTS AGRICULTURAL VEHICLES
-- AMPHIBIOUS VEHICLES
-- ARTICULATED VEHICLES -- ARTICULATED VEHICLES
-- CARGO VEHICLES
-- COMBAT VEHICLES
ELECTRIC VEHICLES
ELECTRIC WHEELS
FLEXIBLE WHEELS
-- FORESTRY VEHICLES
HYDRAULIC WHEELS
INDUSTRIAL VEHICLES
LAND CHEADING WEIGHT CONCRETE DRYING SHRINKAGE CONCRETE DURABILITY CONCRETE SHRINKAGE DRYING SHRINKAGE CRACKING SLAKING SOIL SHRINKAGE SOIL SWELLING -- LAND CLEARING VEHICLES -- LIGHT UTILITY VEHICLES WHARVES 1 2 3 4 UF QUAYS BT HARBOR FACILITIES -- LOGGING VEHICLES
LUNAR ROVING VEHICLES
MAINTENANCE VEHICLES
-- MILITARY VEHICLES
-- OFF-ROAD VEHICLES
PERSONNEL CARRIERS
BOURD MUTET'S HARBOR STRUCTURES MARINE STRUCTURES -- BULKHEADS DELONG PIERS PERSONNEL CARRIERS
PERSONNALISSANCE VEHICLES
RECOVERY VEHICLES
RIGID WHEELS -- DOCKS DOLPHINS FENDER PILES FENDERS ROAD VEHICLES
SKIDDERS (VEHICLES)
TERRASTAR LOCOMOTION CONCEPT HARBORS MOORINGS PIERS (DOCKS)
-- PILE FOUNDATIONS
QUAY WALLS
RELIEVING PLATFORMS -- TOWED VEHICLES TOWING VEHICLES -- TRACTORS UTILITY CARRIERS -- WEAPON CARRIERS WHEATSTONE BRIDGES 1 BT MEASURING INSTRUMENTS WHEET.S. HEELS 5

NOTE: Applicable only to vehicle and aircraft wheels

UF VEHICLE WHEELS

NT ELECTRIC WHEELS

FLEXIBLE WHEELS

HYDRAULIC WHEELS

POWER WHEELS

RIGID WHEELS

- TOWED WHEELS

TWIN WHEELS

TWIN WHEELS WHEEL CONFIGURATIONS RT TIRE SHAPES WHEEL WIDTH WHEEL EXCAVATORS HEEL EXCAVATORS 2
BT CONSTRUCTION EQUIPMENT
EARTH HANDLING EQUIPMENT EXCAVATORS TWIN WHEELS RT--LANDING GEAR RT BACKHOES -- CONVEYORS MULTIPLE WHEEL LANDING GEAR OBSTACLE-WHEEL INTERACTION -- PNEUMATIC TIRES WHEEL- MOUNTED GATES BT HYDRAULIC GATES RIMS (WHEELS) SOIL-WHEEL INTERACTION TIRES WHEEL- OBSTACLE INTERACTION 5
USE OBSTACLE- WHEEL INTERACTION WHEEL CONFIGURATIONS WHEEL-SOIL INTERACTION 2
USe SOIL-WHEEL INTERACTION WHITE PORTLAND CEMENTS NOTE: Portland cement which hydrates to a white paste BT CEMENTS WHEEL SUSPENSIONS BT SUSPENSION SYSTEMS (VEHICLES)
RT SPRING DESIGN
--SPRINGS (MECHANICAL) HYDRAULIC CEMENTS PORTLAND CEMENTS RT-- ARCHITECTURAL CONCRETE WHEEL WIDTH 5 RT WHEEL CONFIGURATIONS WICK PILES 2 use SAND PILES WHEELED TRACTORS WICKET GATES 1 BT HYDRAULIC GATES UF TRUCK TRACTORS WHEELED VEHICLES

WHEELED TRACTORS
RT BULLDOZERS

(Con.)

WETTING

RT DUST CONTROL

WILDERNESS RT NATIONAL PARKS
WILDLIFE HABITATS WILDLIFE 7
UF FISH AND WILDLIFE RT--AQUATIC ANIMALS BALANCE OF NATURE BIG GAME BIOLOGY -- BIRDS BROWSE UTILIZATION -- ECOLOGY ENDANGERED SPECIES -- FISHES FOOD CHAINS
HABITAT IMPROVEMENT
-INVERTEBRATES LAND RESOURCES
-- NATURAL RESOURCES -- REPTILES SHORE BIRDS -- VERTEBRATES WATERFOWL WILDLIFE CONSERVATION
WILDLIFE HABITATS
--WILDLIFE MANAGEMENT WILDLIFE CONSERVATION BT CONSERVATION CUNSERVATION
RESOURCE CONSERVATION
T BALANCE OF NATURE
FISH KILLS
FOREST MANAGEMENT
HABITATS
HABITATS
HABITATS NATIONAL PARKS SANCTUARY WATER CONSERVATION
-- WETLANDS -- WILDLIFE MANAGEMENT WILDLIFE HABITATS 7 ILDLIFE HABITATS 7
BT HABITATS
RT AQUATIC HABITATS
HABITAT IMPROVEMENT
TERRESTRIAL HABITATS
WILDERNESS WILDLIFE WILDLIFE MANAGEMENT 7
BT MANAGEMENT
NT HABITAT IMPROVEMENT
RT CARRYING CAPACITY
FISH MANAGEMENT
MARSH MANAGEMENT WATERSHED MANAGEMENT WILDLIFZ WILDLIFE CONSERVATION WILLOW MATTRESSES 1 2
BT MATTRESSES
RT ARTICULATED CONCRETE MATTRESSES
LUMBER MATTRESSES WINCHES RT--CONSTRUCTION EQUIPMENT RECOVERY VEHICLES TOWING VEHICLES WIND ACTION GEOLOGY RT-AEOLIAN DEPOSITS AEOLIAN SANDS DUNES

DUST CLOUDS

LOESS WIND EROSION

WILD RIVERS

BT RIVERS STREAMS

1

WIND DAMAGE BT DAMAGE WIND DEPOSITS 2
use AEOLIAN DEPOSITS WIND DIRECTION 6
RT--WIND (METEOROLOGY)
WIND PRESSURE
--WIND TUNNELS
WIND VELOCITY WIND EROSION 1 2 BT EROSION RT-- AEOLIAN DEPOSITS -- DEGRADATION DUNES SHEET EROSION SOIL EROSION
VEGETATION EFFECTS
WIND ACTION GEOLOGY
--WIND (METEOROLOGY) WIND-INDUCED CURRENTS BT CURRENTS WIND LOADS 3 4 use WIND PRESSURE WIND MEASUREMENT (WIND (METEOROLOGY)
NT GALES 1 6 7 GALES MONSOONS SEA BREEZES SQUALLS RT ADVECTION AIR CIRCULATION AIR CURRENTS AIR MASSES
AIR POLLUTION
-- ANEMOMETERS
BLIZZARDS CIRCULATION - CLIMATOLOGY CORIOLIS FORCE FETCH HURRICANES HYDROMETEOROLOGICAL STATIONS METEOROLOGY SEICHES STORMS SURGES THUNDERSTORMS TORNADOES
--TROPICAL CYCLONES TURBULENCE TYPHOONS VELOCITY MEASUREMENT WATER WAVE GENERATION WATER WAVE GENERALIAN
WEATHER PORECASTING
WIND DIRECTION
WIND EROSION
WIND TIDES
WIND VELOCITY 1 2 3 4 6 WIND PRESSURE WIND LOADS PRESSURE BT BUILDING CODES CIRCULATION
-- DYNAMIC LOADS
FORCES (LOADS)
-- IMPULSIVE LOADS
LATERAL PRESSURE LIVE LOADS -- LOADS (FORCES) WIND DIRECTION

WIND SETUP 1 use WIND TIDES WIND SPEED 1 6
use WIND VELOCITY WIND TIDES 1
UF WIND SETUP
BT TIDES
RT SEICHES SURGES
-- WATER WAVES
-- WIND (METEOROLOGY)
WIND VELOCITY WIND TUNNELS 1 6
UF HYPERSONIC WIND TUNNELS
SUBSONIC WIND TUNNELS
SUPERSONIC WIND TUNNELS
TUNNELS (TESTING)
NT HYPERVELOCITY WIND TUNNELS AERODYNAMICS BLOWERS FLOWERS
FLOW VISUALIZATION
-- FLUID DYNAMICS
MODEL TESTS
-- MODELS
-- SIMILITUDE
SUPERSONIC FLOW TRANSONIC FLOW WIND DIRECTION WIND VELOCITY UF WIND MEASUREMENT WIND SPEED BT VELOCITY RT--ANEMOMETERS CIRCULATION GUSTS HOT FILM ANEMOMETERS HOT WIRE ANEMOMETERS HURRICANES METEOROLOGICAL DATA WIND DIRECTION -- WIND (METEOROLOGY)
WIND TIDES WIND WAVES WATER WAVES WAVES SURF BEATS BT RT SEA (WAVE CONDITION) WINDMILLS 6
RT ELECTRICAL ENERGY
--ENERGY RESOURCES WING DAMS 1
use DIKES (TRAINING STRUCTURES)
GROINS WING WALLS 1 WINKLER FOUNDATIONS use ELASTIC FOUNDATIONS WINTER CONCRETING 3
USE COLD WEATHER CONSTRUCTION WINTER CONSTRUCTION use COLD WEATHER CONSTRUCTION WINTER OPERATIONS 5
use COLD WEATHER OPERATIONS NTERKILLING 7 NOTE: Wildlife or vegetation dying from exposure to cold winter weather, or fishes dying from suffocation under snow-covered WINTERKILLING 1ce BT ENVIRONMENTAL EFFECTS

WIRE 4 6
NT ELECTRIC WIRE
RT EXPLODING WIRES
FASTENERS REINFORCEMENT (STRUCTURES) WIRE BRUSHING 3 RT CONCRETE FINISHES (HARDENED CONCRETE)
-- SURFACE FINISHING WIRE MESH RE MESH 3
use WELDED WIRE FABRICS WIRE ROPE 6 RT FASTENERS WIRING RT ELECTRIC WIRE ELECTRICAL INSULATION WITHDRAWAL NT SELECTIVE WITHDRAWAL RT-DEPLETION --DISCHARGE (WATER) DIVERSION -- DRAWDOWN RESERVOIR CAPACITY RESERVOIR STORAGE WOLFRAM use TUNGSTEN WOOD 2 NT TIMBERS RT--LIGNIN --NATURAL FIBERS WOOD PIPES -- WOOD PRESERVATIVES WOOD PILES use TIMBER PILES WOOD PIPES 1 BT CONDUITS PIPES RT-- WOOD WOOD PRESERVATIVES 2 NT CREOSOTES 2 MT-COATINGS
MARINE BORER ATTACK (PILES)
MARINE BORERS
SODIUM SILICATES TIMBER CONSTRUCTION TIMBER SHEET PILES TREATED TIMBER PILES WOOD SHEET PILES 2
use TIMBER SHEET PILES WORKABILITY (CONCRETE) 3
use CONCRETE WORKABILITY WORKABILITY (SOILS) RT KNEADING COMPACTION MOISTURE CONTROL WORKING STRESS METHOD 3 RT--STRUCTURAL ANALYSIS WORKSHOPS use MEETINGS WORLD MAPS BT MAPS RT ATLASES SOIL MAPS TOPOGRAPHIC MAPS

VEGETATION MAPS

WOUNDS 4
BT INJURIES
NT GUNSHOT WOUNDS
RT BATTLE INJURIES

WRAPPING (PACKAGING) 2 5 use PACKAGING

WRECKER VEHICLES 5
use RECOVERY VEHICLES

WYE BRANCHES 1
RT-- BIFURCATIONS
-- CANALS
-- CLOSED CONDUITS
-- PIPELINES
TRIFURCATIONS

X RAY ABSORPTION 3 6
BT ABSORPTION
RT X RAY ANALYSIS
X RAY FLUORESCENCE
X RAY SPECTROSCOPY
X RAYS

X RAY ANALYSIS 1 2 3 NOTE: Determination of the internal structure of a material from the diffraction pattern formed when an X ray passes through it

formed when an X ray passes
through 1t
RT--CEMENT ANALYSIS
--CHEMICAL ANALYSIS
CLAY MINERALOGY
CRYSTALLOGRAPHY
CRYSTALS
ELECTRON MICROSCOPY

METALLOGRAPHY
--MINERALOGY
NONDESTRUCTIVE MEASUREMENT
PETROGRAPHIC ANALYSIS

RADIATION TESTS
--RADIOGRAPHY
ROCK ANALYSIS
STRESS ANALYSIS
X RAY ABSORPTION
X RAY DIFFRACTION
X RAY PLUORESCENCE
X RAY INSPECTION
X RAY SPECTROSCOPY
X RAYS

X RAY DIFFRACTION 1 2 3
UF SMALL ANGLE SCATTERING
X RAY SCATTERING
DIFFRACTION
RT CRYSTALLOGRAPHY
ELECTRON DIFFRACTION
METALLOGRAPHY
PETROGRAPHY
-- HADIOGRAPHY
-- HADIOGRAPHY

PETROGRAPHY
-- RADIOGRAPHY
X RAY ANALYSIS
X RAYS

X RAY FLUORESCENCE 3
BT FLUORESCENCE
LUMINESCENCE
RT-RADIOGRAPHY
X RAY ABSORPTION
X RAY ANALYSIS
X RAY SPECTROSCOPY
X RAYS

X RAY INSPECTION 1 6
BT INSPECTION
RT--NONDESTRUCTIVE TESTS
--QUALITY CONTROL
X RAY ANALYSIS
X RAYS

X RAY SCATTERING 3 use X RAY DIFFRACTION

X RAY SPECTROSCOPY 3
BT SPECTROSCOPY
RT ATOMIC SPECTROSCOPY
--RADIOGRAPHY
--SPECTROSCOPIC ANALYSIS
SPECTRUM ANALYSIS
ULTRAVIOLET SPECTROSCOPY
X RAY ABSORPTION
X RAY ANALYSIS
X RAY FLUORESCENCE
X RAYS

X RAYS 1 2 3 5 6
BT ELECTROMAGNETIC RADIATION
WAVES
RT GAMMA RAYS
IRRADIATION
-- NEUTRONS
-- RADIOGRAPHY
X RAY ABSORPTION
X RAY ANALYSIS
X RAY DIFFRACTION
X RAY FLUORESCENCE
X RAY INSPECTION

X RAY SPECTROSCOPY

XEROPHYTES 7
NOTE: Plants which can subsist with a small amount of moisture BT PLANTS (BOTANY)
RT ARID LANDS
HALOPHYTES

YIELD LINE METHOD 3 6
BT PLASTIC ANALYSIS
STRUCTURAL ANALYSIS
RT-ENERGY METHODS
--EQUILIBRIUM METHODS
STATICALLY INDETERMINATE STRUCTURES TURES

YIELD POINT 2 3 4

NOTE: First point on the stress strain curve at which an increase in strain occurs without an increase in stress stress.

RT--COMPRESSIVE PROPERTIES
--COMPRESSIVE STRENOTH
--MECHANICAL PROPERTIES
--SHEAR STRENGTH
STRESS STRAIN CURVES
--TENSILE PROPERTIES
--TENSILE STRENGTH
--TENSILE STRENGTH
--TENSION TESTS
YIELD STRENGTH

YIELD STRENGTH 2 3 4
BT MECHANICAL PROPERTIES
RT--COMPRESSIVE PROPERTIES
--COMPRESSIVE STRENGTH
--SHEAR STRENGTH
STRENGTH OF MATERIALS
--STRENGTH THEORIES
--TENSILE PROPERTIES
--TENSILE STRENGTH
ULTIMATE STRENGTH
YIELD POLINT YIELD POINT

YIELD (WATER) 1 use WATER YIELD

YOUNGS MODULUS 2 3 4
UBE MODULUS OF DEFORMATION
MODULUS OF ELASTICITY

ZEOLITES 2 3
NOTE: Hydrated aluminum and calcium or sodium silicates
RT-ION EXCHANGE
--SILICON COMPOUNDS
--WATER CHEMISTRY

ZERO AIR VOIDS CURVE 2
NOTE: Curve showing the zero air voids unit weight as a function of water content
UF SATURATION CURVE
RT AIR VOID RATIO
--COMPACTION TESTS
MOISTURE DENSITY RELATIONS
SATURATED SOILS
--WATER CONTENT (SOILS)

ZINC 2 3 7
BT HEAVY METALS
METALS
RT ALLOYS
--COATINGS
--CORROSION PREVENTION
--RADIOACTIVE ISOTOPES
TOXICITY
TRACE ELEMENTS

ZONE OF AERATION 1
RT AERATION
SOIL MOISTURE
-- SUBSURFACE DARAINAGE
-- SUBSURFACE WATERS
-- VADOSE WATER
-- WATER TABLE

ZONED EMBANKMENTS 1 2 use EMBANKMENTS

ZONES 2 5 use REGIONS

ZONING 1 6 7

NT FLOODPLAIN ZONING
WATER ZONING
RT FLOOD PLAINS
LAND USE
PROJECT PLANNING
REGULATIONS
RURAL AREAS
URBAN PLANNING

ZOOPLANKTON 7
NOTE: Animals occurring in plankton
BT AQUATIC ANIMALS
PLANKTON
NT DAPHNIA
ROTIFERS
RT--AQUATIC MICROORGANISMS
--CRUSTACEA
--MARINE ANIMALS
NANNOPLANKTON
NEKTON
--SESTON

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